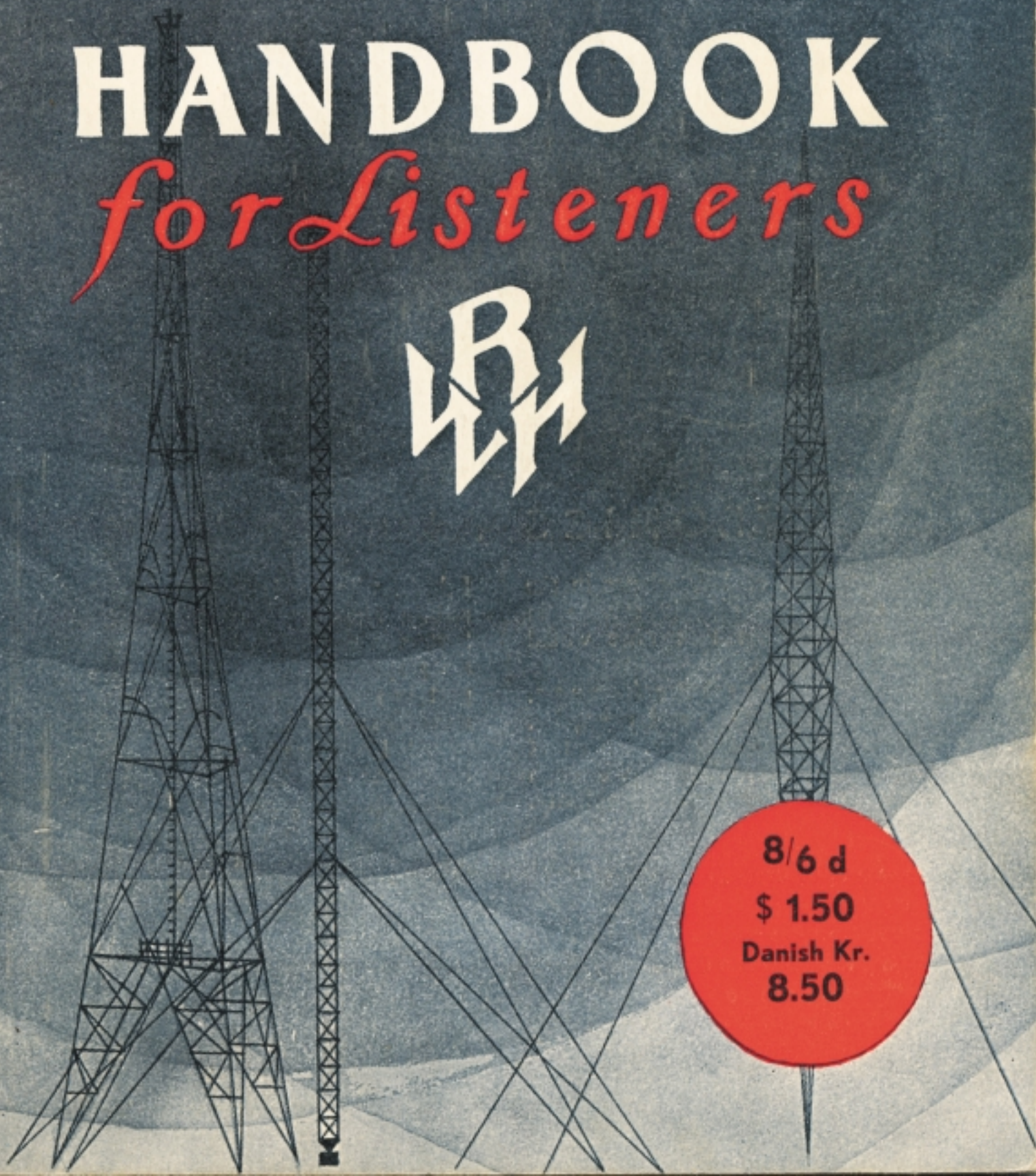
BROADCASTING TELEVISION

WORLD RADIO HANDBOOK

for Listeners



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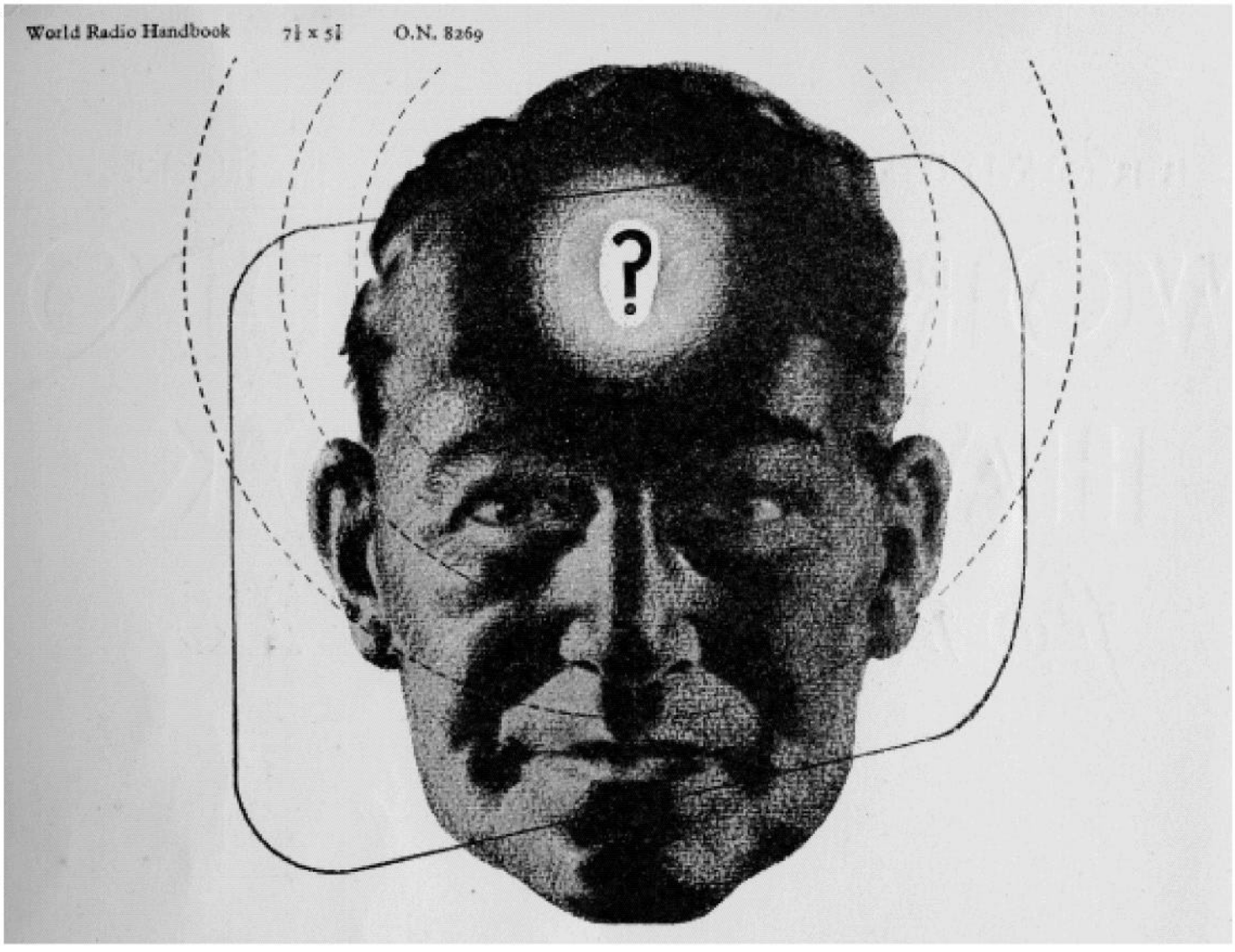

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WORLD RADIO-HANDBOOK

for Listeners

including World-wide Radio WHO's WHO

For the promotion of a better understanding between the peoples of the world

Seventh Edition

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November 1952

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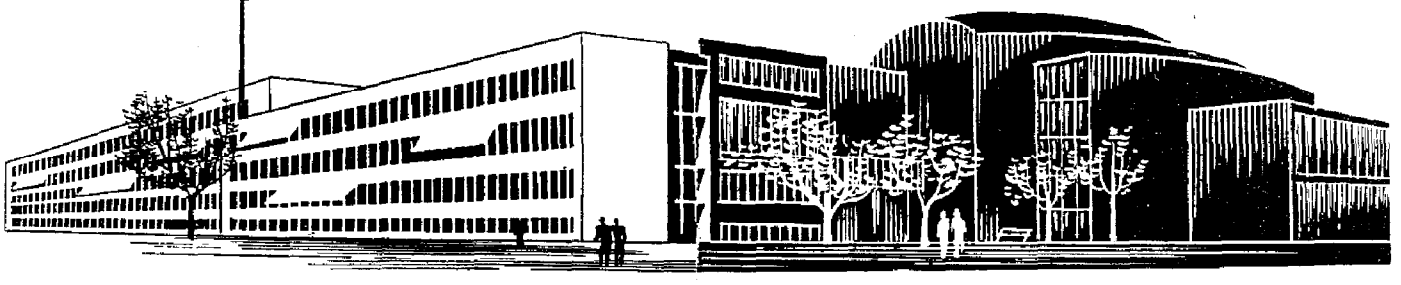
Copenhagen

Listen to

THE VOICE OF DENMARK

The Danish short wave transmissions are beamed to North America, South America, Africa, India and the Far East



Transmission Hours: On 31.51 m—9.520 kc/s
Daily 1.30—2.30 and 3.00—4.00 GMT to *North America*

Local North American times

A.S.T.	9.30—10.30 p.m.	and	11.00—12.00 p.m.
E.S.T.	8.30— 9.30 p.m.	—	10.00—11.00 p.m.
C.S.T.	7.30— 8.30 p.m.	—	9.00—10.00 p.m.
M.S.T.	6.30— 7.30 p.m.	—	8.00— 9.00 p.m.
P.S.T.	5.30— 6.30 p.m.	—	7.00— 8.00 p.m.

DX-transmission: Wednesday 2.25 a.m.—2.30 a.m. and 3.55 a.m.—04.00 a.m.

On 31.51 m—9.520 kc/s
Mondays, *Wednesdays*, *Fridays* } 22.30—23.30 GMT to *South America*

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Tuesdays, *Thursdays*, *Saturdays* } 9.00 a.m.—10.00 a.m. GMT to *the Far East, Australia and New Zealand*

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2.30— 2.50	—	—	— 31.51 m— 9.520 kc/s	—	to N.A.
4.00— 4.20	—	—	— 31.51 m— 9.520 kc/s	—	to N.A.
10.00—10.20	—	—	— 19.76 m—15.180 kc/s	—	to Austr., N. Z., Far East
03.00—03.20 p.m.		—	— 19.78 m—15.165 kc/s	—	to South Asia
5.00— 5.20	—	—	— 31.51 m— 9.520 kc/s	—	to Middle East

Listeners all over the world are invited to send reception reports together with their criticisms and programme suggestions to

the SHORTWAVE DEPARTMENT, RADIO HOUSE, COPENHAGEN V., DENMARK

Answer by letter or QSL-card

PREFACE

A preface to the seventh edition of W.R.H. must first and foremost be an expression of thanks to the many broadcasting organisations all over the world which have evinced interest in W.R.H. by assisting in various ways, and particularly to the United Nations' Radio Division and UNESCO, European Broadcasting Union in Geneva and the International Broadcasting Union in Prague for the encouragement given to the work of W.R.H. and for their never-failing understanding of the importance of this in promoting understanding by radio.

Many broadcasting corporations increasingly employ W.R.H. as propaganda and as a medium for their broadcasting and their countries; in so doing they make a valuable contribution towards the fulfilment of W.R.H.'s purpose and at the same time serve their own interests, for it enables the continual enlargement of W.R.H.'s content without any increase of the sales price. It is my hope that still more broadcasting corporations will follow this example in the future.

I must also direct my thanks to the many readers of W.R.H. who regularly forward the listening reports which are such a valuable supplement to the information obtained from the broadcasting-stations all over the globe. I shall be grateful for any reports and criticism.

Finally I have a wish from readers of W.R.H. to the broadcasting organisations: Send your replies (or QSL-card) about readers' reports as quickly as possible – many have to wait for months for an answer – it will promote interest in world listening.

In the present edition is added a list of FM and television stations.

Copenhagen, November 1952.

LUND JOHANSEN

MESSAGE FOR "WORLD RADIO HANDBOOK"

from the United Nations Radio Division

To build a lasting peace it is essential to use every means of furthering understanding. The special contribution broadcasters and telecasters can make is by sending through the air, over all frontiers, news and pictures of what their peoples are doing and thinking and of how their work and their life fit into the story of man's struggle to master his environment and himself.

"World Radio Handbook" brings together all the information needed by broadcasters and radio listeners desirous of following programmes in any other country. We find it indispensable ourselves and cordially commend it to others.

10*th November* 1952.

PETER AYLEN
Director
United Nations Radio Division

listen, listen . . .
wherever you are

The Voice of America

on the air daily . . .
in **46** *language*
services

broadcasting
—a balanced view of public affairs
—entertainment: music, drama
—education and science
—questions and answers
—sports reviews
—significant interviews
—informative commentaries
—up-to-the-minute world news . . .

For detailed program information send for the Voice of America's descriptive listeners' guide, now available in English, German, French, Italian, Spanish, Portuguese, Turkish, Greek, Persian, Arabic, Chinese and Korean editions. Specify the language edition desired, and write Dept. WW, The Voice of America, New York 19, N. Y., or Dept. WW, The Voice of America, in care of the nearest American Embassy or Consulate.

TABLE OF CONTENTS

A message from United Nations 7
How to use the World Radio Handbook 9
A message from Unesco 13
Time in all countries 16
European Broadcasting Organisation . 18
International Broadcasting Organisation 18
International Allocation of Call Signs 21
Europe ..... 23—55
Africa ..... 57—66
Near East .....66—70
East ..... 70—79
Pacific ..... 79—84
North America ..... 84—92
Central America ..... 92—99
South America ..... 99—107
Standard frequency station 108
Long- and mediumwave stations 109—112
Television stations 112
Shortwave stations of the world . 113—123
FM stations 123
Representatives and Correspondents .. 124
Latest News and Corrections 124

Afghanistan 66
Albania 23
Algeria 58
Andorra 23, 124
Angola 58
Arabia (Saudi) 67
Argentina 99
Australia 79
Austria 23
Azores 45, 60
Bali 73
Belgian Congo 60
Belgium 24, 124
Bechuanaland 66
Bolivia 100
Borneo 73
Brazil 100
Bulgaria 26
Burma 70
Cameroon 60
Canada 84
Canary Islands 60
Cape Verde Islands . 61
Celebes 73
Ceylon 70
Chile 102
China 70
Colombia 103
Costa Rica 91
Cuba 92
Curacao 92
Cyprus 66
Czechoslovakia 26
Denmark 26
Dominican Republic . 93
Ecuador 103
Egypt 61
Eire 27
El Salvador 98
Ethiopia 61
Falkland Islands 105
Finland 28
France 28
French Equatorial Africa 61
French West Africa (Senegal) 64
Germany 30, 124
Goa 71
Gold Coast 61
Great Britain 35
Greece 38, 124
Greenland 39
Guadeloupe 94
Guatemala 94
Guiana (British) 105
Guiana (Dutch) 105
Guinea (Portuguese) 62
Guinea (Spanish) ... 62
Haiti 95
Hawaii 80
Holland 40
Honduras (Rep.) ... 96
Honduras (British) . 96
Hong Kong 71
Hungary 41
Iceland 42
India 71
Indonesia 72
Iran (Persia) 66
Iraq 66
Israel 67
Italy 42
Ivory Coast 62
Jamaica 96
Japan 74
Java 73
Kenya 62
Korea 75
Lebanon 67
Liberia 62
Luxembourg 43
Macau 75
Madagascar 62
Madeira (Portugal) .. 45
Malaya 71
Martinique 96
Mauritius 62
Mexico 96
Moluccas 73
Monaco 43
Morocco (French) ... 62
Morocco (Spanish) .. 63
Mozambique 63
Nepal 76
New Caledonia 81
New Guinea (Dutch) . 81
New Zealand 81
Nicaragua 97
Nigeria 63
Northern Rhodesia .. 64
Norway 43
Pakistan 76
Panama 97
Paraguay 105
Peru 105
Philippine 81
Poland 44
Portugal 45
Reunion 63
Rumania 46
S. Tomé 64
Saudi Arabia 67
Senegal 64
Somaliland (British) . 64
Somaliland (Italian) . 64
Southern Rhodesia .. 64
Spain 47
Sudan 64
Sumatra 73
Surinam 105
Sweden 49
Switzerland 50
Syria 67
Tanganyika 65
Tangier 65
Tahiti 84
Taiwan 76
Thailand 78
Transjordan 68
Trieste 51
Trinidad 99
Tunisia 65
Turkey 68
Union of South Africa 65
United Nations 91
Uruguay 106
U. S. S. R. 52
U. S. A. 86
Vatican 53
Venezuela 106
Vietnam 78
Yugoslavia 54
Zanzibar 66

Dear World Listener,

If you, or possible some of your friends, are interested in the aim of WRH: to promote international understanding, we ask you kindly to send us a few words. We have a plan which we think will be of value for this, but your help is necessary for its realisation. If therefore you are interested in this work we shall be glad to hear from you. Interest in *all* countries is necessary and whether or not the plan is to be realised depends on the number of people supporting it. Our application is made not only to the individual but equally to the Radio Clubs and organisations which have aims similar to WRH's.

Cordially yours
WORLD RADIO HANDBOOK

SWITZERLAND CALLING YOU

Home Programmes:
(medium-wave)

Beromünster (German language)
Sottens (French language)
Monte Ceneri (Italian language)

International Programmes:
Swiss Shortwave Service:

24 hours a day in 9 languages
- Request hours
- Features
- Commentaries
- Folk- and classical music
- DX programmes

SBC

SWISS BROADCASTING CORPORATION
BERNE

Full details on page 50

Mr. Roberto I. Unanue, one of the members of the staff of the Latin American Service, U. N. Division recording a broadcast at U. N. Headquarters.

Mr. *Carlos Palacios*, Deputy Director of the Radio Division, United Nations, with letters received from radio listeners in all parts of Central and South America.

Mr. Norman Corwin, (left) Chief of Special projects, United Nations Writer-Producer of "Windows on the World", is seen here with Mr. *Douglas Fairbanks Jr.*, Narrator. Mr. Fairbanks is Honorary Vice President of the American Association for the U. N.

Message from UNITED NATIONS RADIO

By Carlos Garcia-Palacios, Deputy Director, Radio Division, Department of Public Information, United Nations.

The first task of United Nations Radio is to bring the peoples of the world news about what the United Nations is doing and will do to try to establish peace in the world. Thanks to the most friendly cooperation of broadcasting services in almost all 60 member states of the United Nations and in many nonmember countries and territories, United Nations broadcasts are relayed in countries whose populations make up virtually half mankind.

We consider the Radio Division not as a technical instrument, but as a moral force. Its greatest strength, we believe, lies in its complete objectivity. We acquaint listeners with the facts, report all the viewpoints expressed in United Nations meetings and leave it to their intelligence to draw the conclusions. Ours is not a propaganda broadcasting service. It was established in the name of human brotherhood so that the United Nations might reach out to all peoples, to the many millions who listen in the comfort of their own homes, and the many millions who stand or at best sit on the ground near community loud-speakers.

If United Nations Radio played on the sensibilities of peoples, it would be trying to win their interest by trickery. Everyone wants peace but everyone is not able to learn the hard facts which must somehow be fitted together as paving blocks for the road that leads to peace. That is why United Nations Radio offers news, news talks and interviews with delegates and experts as its essential fare.

Do not conclude from this that the Radio Division has become a kind of machine which receives information in a hopper at one end and grinds it out mindlessly at the other into bulletins of varying lengths. The men and women broadcasters and their assistants, 90 of them from 29 different countries, are in a constant state of stir and questioning. Will the Security Council vote come in time for the Danish news? This Technical Assistance report is fascinating but can't it be simplified still more? Has this tape interview from Korea been scripted? Shouldn't we »kill« this lead and open with the press conference? So it goes throughout the preparation of the three daily summaries written in English as the basis all of United Nations broadcasts.

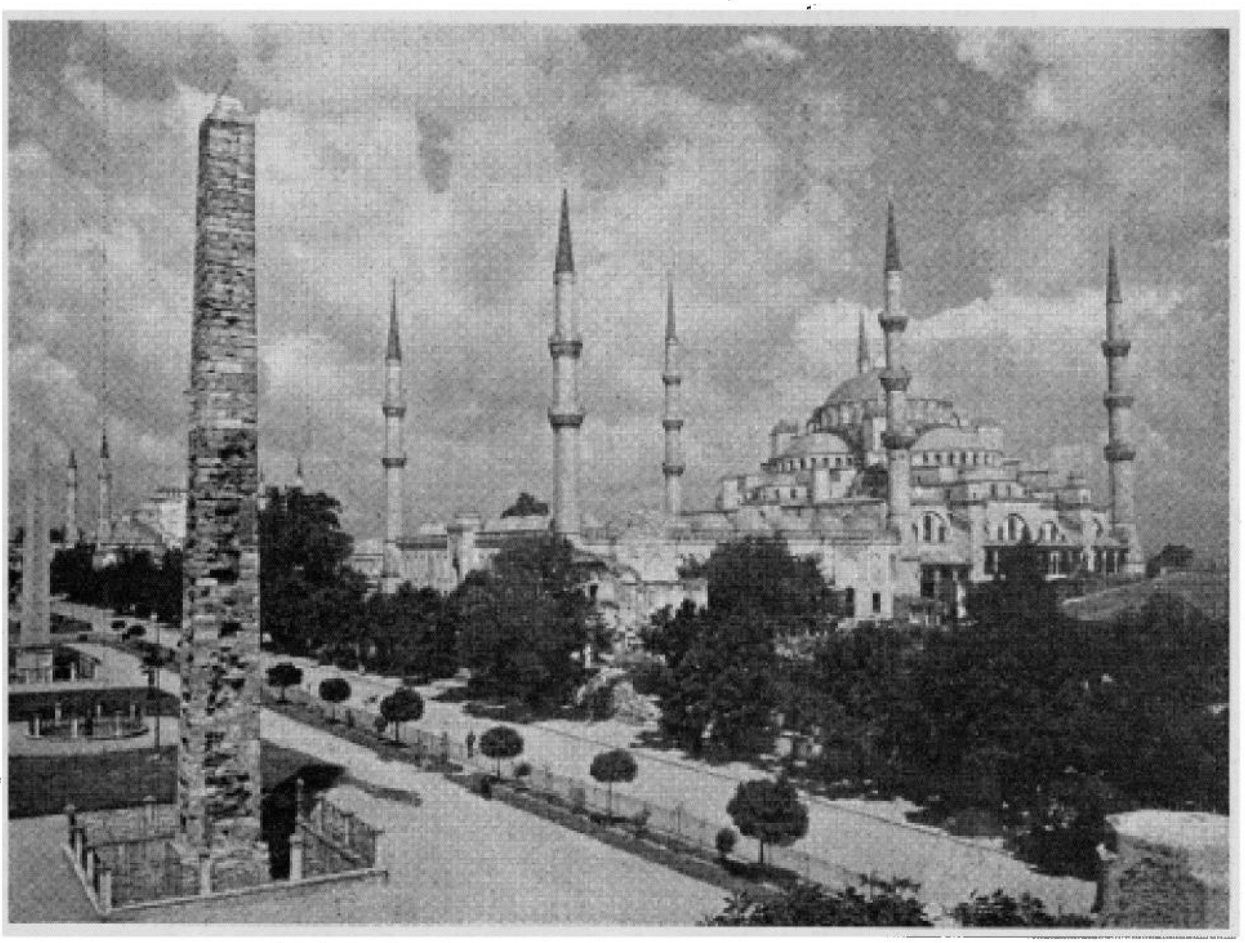
In 1952 correspondents from the broadcasting services of eleven member states were stationed permanently at UN headquarters, while many more are coming, as this is being written, to cover the seventh annual session of the General Assembly. Rebroadcasts of United Nations bulletins and radio newsreels were regularly carried in 47 of the 60 member states and in 15 other countries and territories. The regular daily output of news totalled 8½ hours in 25 languages. Plans for televising General Assembly meetings daily on a wider scale than before have been worked out with interested networks, while the Radio Division also prepares kinescoped summaries of meetings in English, French and Spanish.

A steady endeavour to develop the usefulness of its services to national and local broadcasting and television stations and to their correspondents and to maintain high standards for all its own output, this sums up the year's effort of the Radio Division in its work for better understanding among men. If radio waves know no limitations as they sweep round the earth, so should there be no limitations to the free interplay of human minds. These minds, which seem so different, have after all one great common denominator, the desire to find and to share with others happiness and peace.

message from United Nations Radio Roberto I. Uname Carlos Paõacios Norman Corwin Douglas Fairbanks

A TRIP TO TURKEY

Thrilling Bird's-eye View of Thirty Centuries of Glory and Magnificence



Istanbul: Hippodrome-St. Sophia- The Blue Mosque (Sultan Ahmet)

Ankara Symbol of Modern Turkey-Ancient Citadel-Temple of Augustus-Archaeological and Ethnographical Museums-State Opera-Hunting-Fishing

Istanbul Masterpieces of Byzantine and Turkish Art-Bosphorus- Golden Horn-Grand Bazaar-Museum of Antiquities-Prince's Islands-Florya Beaches

Izmir International Fair of Izmir, greatest commercial tourist event of the Near East (20th August to 20th September) – Ephesus, with Panaghia Kapuli, last dwelling of the Virgin Mary, the Church and the Tomb of St. John the Evangelist-Sites which echoed with St. Paul's preachings-Sardes-Pergamum

Bursa Famous Spas with Thermal Springs-Mount Olympus of Mysia, a tourist and sports center-Masterpieces of Turco-Islamic Art- Green Mosque-Peach Orchards-Silken Cloths

For full information please write to

TURKISH PRESS, BROADCASTING AND TOURIST DEPARTMENT
ANKARA

Turkey advertisement Turkish Press Broadcasting and Tourist Department

HOW TO USE THE WORLD RADIOHANDBOOK

The practical information given in the following section in respect of the broadcasting services of each individual country includes:

The Addresses of the broadcasting companies in question. Where broadcasts are commercial, this is stated.

Names and Titles of the leading personalities in each company.

List of Stations operated by each company with call signs of their transmitters, all frequencies and wavelengths (medium- and shortwaves), as well as their power expressed in kilowatts.

Each short-wave station has its own identification call sign consisting of 3–5 letters or a combination of letters and figures of which the first, or first two, denote the nationality in accordance with the international list of station prefixes. Some short-wave stations, the American for example, use these call-signs when announcing themselves.

Long and medium wave stations are divided into three categories, viz. (1) *Main Stations*, which are so powerful that they can generally be heard throughout the whole area of the country in question, and from which most of the broadcasts emanate; (2) *Regional Stations*, which can be heard only within a certain area of the country, and whose broadcasts consist partly of re-transmissions of the programmes of the main stations and partly of their own programmes; (3)*Relay Stations*, which solely re-transmit main station programmes. These relay stations are the weakest, and are local stations which can be heard only within a limited area.

Most short wave stations use directional aerials, i.e. their broadcasts are directed toward particular areas, and these give the names to the various services: European Service, Near Eastern, Middle Eastern, Far Eastern, Pacific, Latin-American, Caribbean Service, etc. Language and frequency employed vary according to the area to which broadcasts are directed.

Times are shown on the 24 hours system. In this system midnight is 00.00 hrs., 3 am: 03.00 hrs., 10 am: 10.00 hrs. and midday 12.00 hrs. Instead of starting again at 1 o'clock, as the 12-hour system does, the 24-hour system continues to increase the number of each hour until 23.59 (11.59 pm.) is reached. Thus 13 hrs. is 1 pm., 17.00 hrs. 5 pm. and so on. The great advantage of the system is that it eliminates any possible confusion between times a.m. and times p.m.

Frequency and Wavelength.

Frequency and Wavelength are divided into the following groups:

Long waves with frequencies from 133 kc/s (1961 metres) to 500 kc/s (600 metres).

Medium waves with frequencies from 500 kc/s (600 metres) to 3000 kc/s (100 metres).

Short waves with frequencies from 3000 kc/s (100 metres) to 30000 kc/s (10 metres).

The wavelength of a station is measured in metres, a metre being approximately $1^1/_{10}$ yards. The wavelength is the distance in metres between the crests of any two consecutive waves. For every wavelength there is a corresponding frequency, which is the number of complete waves, or cycles, sent out by a station in every second. A kilocycle is 1000 cycles; a megacycle 1.000.000 cycles.

Shortwave broadcasting takes place mainly on the following metre bands (m.b.):

49 metre band – 41 metre band – 31 metre band – 25 metre band – 19 metre band – 16 metre band – 13 metre band and 11 metre band.

Many short-wave stations lie outside these bands. The 60 and 80 metre bands are used for local broadcasting, i.e. for reception over relatively short distances, which applies, for example, to many South and Central American stations and stations in Central Africa.

The property possessed by the short waves of spanning great distances with strong signals has encouraged the countries of the world to make use of them for broadcasting purposes.

The British Broadcasting Corporation (BBC), The Voice of America (U.S.A.), Canada, France, the Soviet Union, and many other large countries maintain comprehensive and extensive short-wave services for the benefit of listeners all over the world.

In the following pages you will find a large variety of call-signs and frequencies. In many cases these belong to the same transmitters which are connected to different aerials designed to radiate signals to the best advantage in respect of each service. The various call-signs serve to identify individual transmissions and frequencies.

Many programmes are broadcast simultaneously from several transmitters on different frequencies, which enables you to select the one which is the most clearly audible in your area or on your particular receiver. If reception on one of the frequencies used is poor, you should examine reception conditions on the other frequencies employed by the same station.

Daily Programmes: Under this heading you will find information concerning the total broadcasting hours on the different frequencies employed during transmission hours, as well as a survey of the news.

Announcements:

The language alone is not a conclusive indication of the origin of a broadcast to which you may be listening. Hearing a programme in French or Spanish, for instance, does not necessarily mean that it is transmitted by a French or Spanish station respectively. To make sure of identifying a station correctly,

it is, therefore, essential to wait for the announcement which every station broadcasts at regular intervals. These call signs are given in this book for practically all the stations listed.

Interval-Signals:

For identifying stations it is also of importance to know the signals used during the intervals between programme items. Under each station you will, therefore, find an indication of the type of signal used, and in many cases also a reproduction of the musical notes of this signal.

QSL Cards:

As indicated in the survey of the broadcasting services of the various countries, many of the stations listed are interested in receiving reports from listeners in respect of their transmissions. These stations acknowledge such reports by sending listeners a QSL (verification) card or a letter. For most of these stations it is stated whether reports are answered by QSL-card or letter.

Many short-wave listeners make a hobby of collecting these QSL-cards which are often elaborately designed and colourful, sometimes with pictures of the station and its location, photos of the personnel, and other interesting particulars.

Reports from Listeners:

Listeners' reports can in most cases be written in English, but Spanish is preferable when writing to South or Central American stations. Each report should contain information as to wavelength, date, time, program heard, intelligibility, strength of reception and whether there was any fading, i.e. variable strengths (QSB), interference from another station (QRM), and static, i.e. atmospheric interference (QRN). – In the case of an amateur transmitter, the report should also contain the call letters of the station.

Moreover, it is helpful to add details of your own location, as well as of the type of receiver and aerial used for listening. If reply postage is requested by a station, enclose with your reports an International Reply Coupon obtainable at most post offices.

Greenwich Mean Time (G. M. T.) should be used for all time indications. – The full address of each station will be found in the individual surveys for each country

Intelligibility	Strength	Interference
QRK1 – unintelligible	QSA1 – unreadable	QRM – interference from another station
QRK2 – partly unintelligible	QSA2 – weak	QRN – atmospheric interference (static)
QRK3 – intelligible with difficulty	QSA3 – fairly good	QSB – variable strengths (fading)
QRK4 – quite intelligible	QSA4 – good	
QRK5 – easily intelligible	QSA5 – very good	

Future Plans:

Many stations have made known their development plans for the immediate future. These include: – Increase of power, new transmitters, etc.

Lists of Long, Medium, Short Wave, F.M. and Television Stations:

A complete list of the world's broadcasting and television stations, arranged in order of frequencies.

Local Time Conversion:

On page 16 you will find a Local Time Conversion Table which gives the local times (summer and winter) in most parts of the world in relation to Greenwich Mean Time (G.M.T.). For example, from September to May it is 15.00 hours New York time when it is 20.00 hours G.M.T., since the table indicates that local time in New York is 5 hours ahead of G.M.T. From May to September U.S.A. introduces day-light saving time and, consequently, it is 16.00 hours New York time when it is 20.00 hours G.M.T.

How to tune in your favourite short-wave station:

It requires some practice to adjust receivers correctly to a short-wave station. A movement to either side by a mere hair's breadth may give the correct adjustment. Once the station has been found, it must be finely adjusted by gently turning the dial knob backwards and forwards, simultaneously increasing the volume until the station in question can be heard distinctly, and identified. If the tuning knob is turned too quickly, a weak station may easily be passed over.

Reception conditions for short waves can be very capricious. After listening to a far-distant station for a short time, it may suddenly disappear completely (fade) and not return immediately.

Some broadcasts are often transmitted on several wavelengths simultaneously. If after adjusting your receiver to the station to which you wish to listen, you find reception unsatisfactory, try the other wavelengths used by the same station during the period in question.

How to identify a short-wave station:

Whenever you come across a station which is unknown to you, proceed as follows for identification: Read the approximate frequency indicated on your dial in megacycles or kilocycles or the wavelength in metres. Find from the table of frequencies and wavelengths what stations are working in the neighbourhood of the reading shown by your dial. When you have reduced the source of the broadcast to one or two possibilities and at the same time noted details of the program heard and the language used, check these data against the program surveys printed in this Handbook. For confirmation it is advisable to wait for the station announcement or interval signal mentioned previously.

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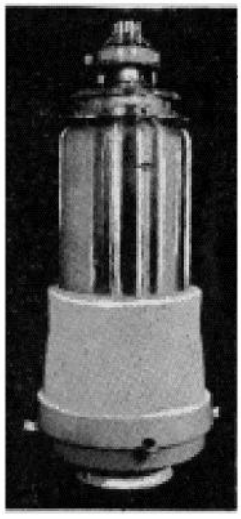

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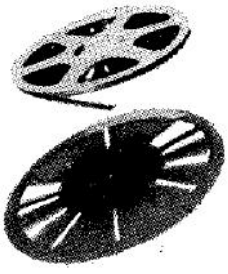
and **audiodiscs**

for the master recording.



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- For Central China
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FOR 5 HOURS A DAY

Outline of NHK

The management policy of NHK is decided by the Board of Governors which represents the whole nation.

National Network System

Central Broadcasting Stations	8
Local Broadcasting Stations	39
Rebroadcasting Stations	36

Television

At present experimental telecasting is being conducted.

For details, see JAPAN

NHK

NIPPON HOSO KYOKA.

The Broadcasting Corporation of Japan.

A Message from

UNESCO

Working through the media of Press, Film and Radio, the Department of Mass Communication of the United Nations Educational, Scientific and Cultural Organization strives to improve international understanding by promoting the greatest possible flow of information between peoples. In so doing, the Department serves one of UNESCO's most fundamental aims, playing its role in relaxing international tensions and in the universal struggle for peace and progress.

The Radio Division of the Department of Mass Communication shares in this task through its output of recorded and scripted programmes. These are produced in a variety of languages and are made available to networks and stations of all countries. Last year, more material was produced than ever before. Over 4.720 copies of recorded programmes made in 23 languages, were despatched to some 85 countries and territories around the world.

In addition, the Division's scripted quarter-hour programme, the "UNESCO WORLD REVIEW"—a weekly radio bulletin now completing its fourth year of publication—continues to enjoy growing succes. In English, Spanish, French and Arabic, the "World Review" is mailed to radio organizations all over the world. From letters received, it is estimated that at least 102 stations in 57 countries and territories broadcast it in full or in part, as do another 233 stations in the U.S.A.

The Radio Division this year is placing increased emphasis on direct co-operation with radio organizations in Member States. It has already arranged for UNESCO programmes to be made in its studios by radio reporters and producers from Dutch, German, Austrian, Swiss, Italian and French networks. The BBC has produced eleven educational programmes at UNESCO House.

Many networks lately have been relaying upon UNESCO's Radio Division for programme ideas as the starting-point for their own productions. Others have gone further, accepting not only the programme theme, but UNESCO scripts, background material and sound effects, and using these as the basis of their own adaptations. Such has also been the case in television production; the BBC recently prepared two television programmes that relied primarily on materials furnished by UNESCO.

In thus intensifying and diversifying its activities, the Radio Division hopes that it is helping develop the listening public's interest in news on education, science and culture, that it is assisting in the free exchange of such information, and that it is sharing in the furtherance of the positive ideals of UNESCO and the United Nations.

GORDON FRASER
Head, Radio Division, Dept. of Mass Communication.

CBC RADIO CANADA

Programs from Canada are broadcast daily to Europe in English, French, Dutch, Czech, Slovak, German, Danish, Norwegian, Swedish, Italian, Finnish, Ukrainian, and Russian; to the Caribbean and South America in English, Spanish, Portuguese, French, and Dutch (Dutch is heard by listeners in the Caribbean on Saturdays). Every Sunday and Wednesday programs in English are broadcast to the Southwest Pacific. Listeners in all countries are invited to tune in to Canada's International Service and to write for a monthly program schedule.

canadian broadcasting corporation

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Post Office Box 7,000 . Montreal . Canada

For frequencies on which CBC International Service may be heard see CANADA

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TIME IN ALL COUNTRIES

DIFFERENCE BETWEEN LOCAL TIME AND GREENWICH MEAN TIME

The differences marked + indicate the number of hours ahead of G. M. T. Differences marked ÷ indicate number of hours behind G. M. T.

	Normal clock Time	Summer Time
Aden	+3	+3
Afghanistan	+4½	+4½
Albania	+1	+1
Algeria	GMT	GMT
Andorra	+1	+1
Angola	+1	+1
Arabia	+3	+3
Argentina	÷3	÷3
Australia		
a) Victoria, New South Wales, Queensland Tasmania, (Brisbane, Melbourne, Sydney)	+10	+10
b) North Territory S. Australia	+9½	+9½
c) W. Australia (Perth)	+8	+8
Austria	+1	+1
Azores	÷2	÷1
Barbados (W. I.)	÷4	÷4
Balearic Islands	+1	+1
Belgian Congo (West)	+1	+1
Belgian Congo (East)	+2	+2
Belgium	+1	+1
Bermuda	÷4	÷3
Bolivia	÷4	÷4
Brazil		
a) Eastern and Coastal.	÷3	÷2
b) Western (Manaos)	÷4	$^{1}/_{12}$-$^{1}/_{4}$ ÷3
Bulgaria	+2	+2
Burma	+6½	+6½
Cameroons	+1	$^{1}/_{4}$-$^{1}/_{10}$ +1
Canada		
a) Atlantic (Nova Scotia Quebec)	÷4	$^{25}/_{4}$-$^{25}/_{9}$ ÷3
b) Eastern (Ontario)	÷5	÷4
c) Central (Manitoba)	÷6	÷5
d) Mountain (Alberta)	÷7	÷6
e) Pacific (Br. Columbia)	÷8	÷7
f) New Foundland	÷3½	÷2½
Canary Islands	GMT	GMT
Cap Verde Isl.	÷2	÷2
Ceylon	+5½	+5½

	Normal clock Time	Summer Time
Chile	÷4	÷4
China	+8	+9
		$^{1}/_{5}$-$^{30}/_{9}$
Colombia	÷5	÷5
Costa Rica	÷6	÷6
Cuba (W.I.)	÷5	÷5
Curacao	÷4½	÷4½
Cyprus	+2	+2
Czechoslovakia	+1	+1
Denmark	+1	+1
Dominican Republic (W.I.)	÷5	÷5
Ecuador	÷5	÷5
Egypt	+2	+2
Eire	GMT	+1
		$^{1}/_{5}$-$^{15}/_{10}$
El Salvador	÷6	÷6
Ethiopia	+3	+3
Fiji Islands	+12	+12
Finland	+2	+2
France	+1	+1
French Equatorial Africa (Brazzaville)	+1	+1
French West Africa (Senegal)	GMT	GMT
Germany	+1	+1
Gibraltar	+1	+1
Gold Coast	GMT	+½
		$^{1}/_{9}$-$^{31}/_{12}$
Great Britain	GMT	+1
		$^{1}/_{4}$-$^{1}/_{10}$
Greece	+2	+2
Greenland	÷3	÷3
Goa (Port India)	+5½	+5½
Guadeloupe (W.I.)	÷4	÷4
Guatemala	÷6	÷6
Guiana (British)	÷3¾	÷3¾
Guinea (Port.)	GMT	GMT
Guinea (Spanish)	+½	+½
Haiti (W.I.)	÷5	÷5
Hawaiian Islands	÷10	÷10
Holland	+1	+1
Honduras (Rep.)	÷6	÷6
Honduras (British)	÷6	÷5
		$^{1}/_{12}$-$^{1}/_{4}$
Hong Kong	+8	+9
		$^{1}/_{4}$-$^{2}/_{10}$
Hungary	+1	+1
Iceland	÷1	GMT
	$^{31}/_{10}$-$^{3}/_{4}$	$^{3}/_{4}$-$^{21}/_{10}$
India	+5½	+5½
Indonesia		
a) North Sumatra	+6½	+6½
b) South	+7	+7

	Normal clock Time	Summer Time
c) Java, Borneo	+7½	+7½
d) Celebes	+8	+8
e) Molucca Islands	+8½	+8½
Iran (Persia)	+3½	+3½
Iraq	+3	+3
Ireland (Northern	GMT	+1
Israel	+2	+3
		$^{1}/_{5}$-$^{31}/_{10}$
Italy	+1	+1
Jamaica (W.I.	÷5	÷5
Japan	+9	+9
Kenya	+3	+3
Korea	+9	+10
Lebanon	+2	+2
Liberia	÷1	÷1
Libya		
a) West (Tripopolitania)	+1	+2
b) East (Cyrenaica)	+2	+2
Luxembourg	+1	+1
Macau	+8	+9
Madagascar	+3	+3
Madeira	÷1	GMT
Malaya	+7½	+7½
Malta	+1	+1
Martinique	÷4	÷4
Mauritius	+4	+4
Mexico	÷6	÷6
Monaco	+1	+1
Morocco (French)	GMT	GMT
Morocco (Spanish)	+1	+1
Mozambique	+2	+2
Nepal	+5.40	+5.40
New Caledonia	+11	+11
New Guinea (Dutch)	+9½	+9½
New Guinea (British)	+10	+10
New Zealand	+12	+12
Nicaragua	÷6	÷6
Nigeria	+1	+1
Norway	+1	+1
Pakistan		
a) West	+4½	+4½
b) East	+6	+6
Panama	÷5	÷5
Paraguay	÷4	÷4
Peru	÷5	÷5
Philippine Islands	+8	+8
Poland	+1	+1
Portugal	GMT	+1
		$^{1}/_{4}$-$^{1}/_{10}$
Puerto Rico (W.I.)	÷4	÷4

	Normal clock Time	Summer Time
Reunion	+4	+4
Rhodesia (Northern and Southern)	+2	+2
Rumania	+2	+2
Samoa Islands	÷11	÷11
S. Tomé	GMT	+1
Saudi Arabia	+3	+3
Sierra Leone	GMT	+½
		$^{1}/_{9}$-$^{31}/_{12}$
Somaliland (British, Italian)	+3	+3
Somaliland (French)	+3	+3
Spain	+1	+1
Sudan (Anglo-Egyptian)	+2	+2
Surinam	÷3,40	÷3,40
Sweden	+1	+1
Switzerland	+1	+1
Syria	+2	+2
Taiwan	+8	+9
		$^{1}/_{6}$-$^{31}/_{9}$
Tanganyika	+3	+3
Tangier	GMT	+1
		$^{1}/_{6}$-$^{1}/_{10}$
Tahiti	÷10	÷10
Tasmania	+10	+10
Thailand	+7	+7
Transjordan	+2	+2
Trieste	+1	+1
Trinidad (W.I.)	÷4	÷4
Tunisia	+1	+1
Turkey	+2	+2
Union of South Africa	+2	+2
Uruguay	÷3	÷3
U.S.S.R. Moscow, Leningrad	+3	+3
U. S. A.		
a) Eastern Zone[1])	÷5	÷4
		$^{1}/_{5}$-$^{1}/_{10}$
b) Central Zone[2])	÷6	÷5
		$^{1}/_{5}$-$^{1}/_{10}$
c) Mountain Zone[3])	÷7	÷6
		$^{1}/_{5}$-$^{1}/_{10}$
d) Pacific Zone[4])	÷8	÷7
		$^{1}/_{5}$-$^{1}/_{10}$
Vatican	+1	+1
Venezuela	÷4½	÷4½
Vietnam	+8	+8
Yemen	+3	+3
Yugoslavia	+1	+1
Zanzibar		

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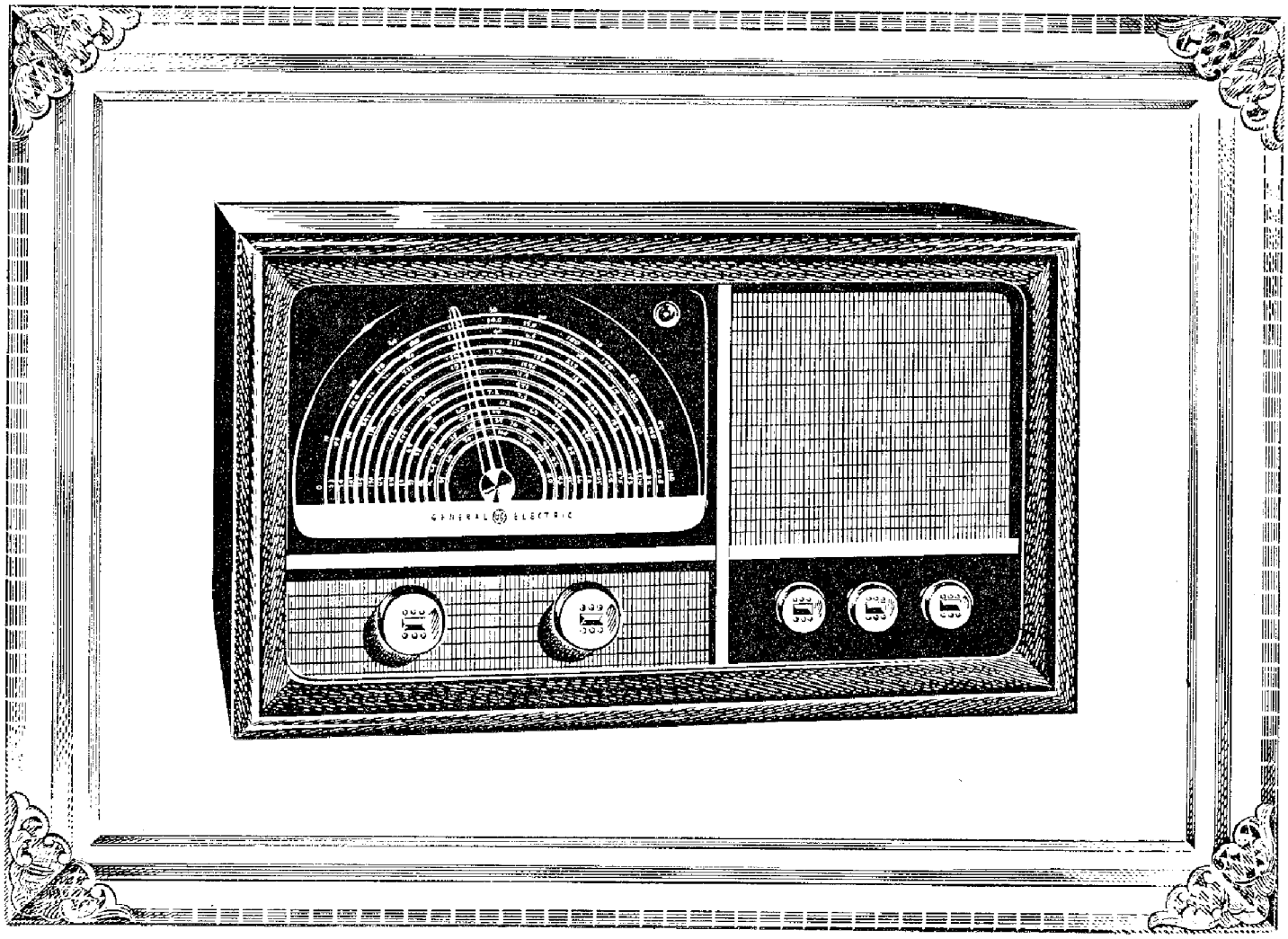

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Facilities: Technical Control Centre: Prague, Czechoslovakia.
Meetings: General Assembly at least twice a year, Administrative Board at least four times a year.
Publications: Information and Documentation Bulletin in Chinese, English, French and Russian issued every three months. Title of French edition: "La Radio dans le monde". A monthly Documentation handbook.
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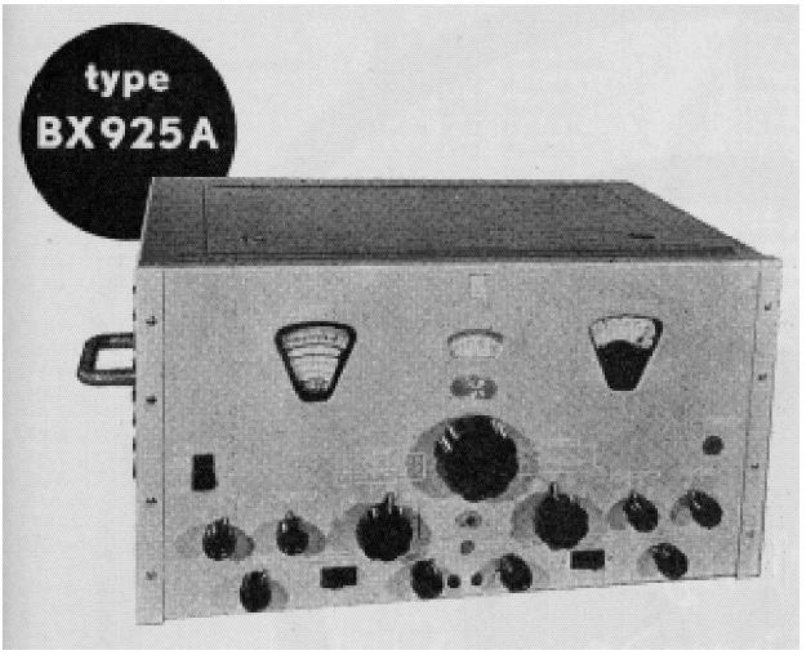
Motorized tuning



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International Allocation of Call Signs

The following table of prefixes was revised at the Atlantic City Conference 1947, and came into use in 1949, The first character or the first two characters of a call sign indicates the nationality of the station using it.

AAA–ALZ	U.S.A.
AMA–AOZ	(Not Allocated)
APA–ASZ	Pakistan
ATA–AWZ	India
AXA–AXZ	Australia
AYA–AZZ	Argentina
BAA–BZZ	China
CAA–CEZ	Chile
CFA–CKZ	Canada
CLA–CMZ	Cuba
CNA–CNZ	Morocco
COA–COZ	Cuba
CPA–CPZ	Bolivia
CQA–CRZ	Portuguese Colonies
CSA–CUZ	Portugal
CVA–CXZ	Uruguay
CYA–CZZ	Canada
DAA–DMZ	Germany
DNA–DQZ	Belgian Congo
DRA–DTZ	Byelorussia
DUA–DZZ	Philippines
EAA–EHZ	Spain
EIA–EJZ	Ireland
EKA–EKZ	U.S.S.R.
ELA–ELZ	Liberia
EMA–EOZ	U.S.S.R.
EPA–EQZ	Persia
ERA–ERZ	U.S.S.R.
ESA–ESZ	Estonia
ETA–ETZ	Ethiopia
EUA–EZZ	U.S.S.R.
FAA–FZZ	France and Colonies
GAA–GZZ	Great Britain
HAA–HAZ	Hungary
HBA–HBZ	Switzerland
HCA–HDZ	Ecuador
HEA–HEZ	Switzerland
HFA–HFZ	Poland
HGA–HGZ	Hungary
RAA–RZZ	U.S.S.R.
SAA–SMZ	Sweden
SNA–SRZ	Poland
SSA–SUZ	Egypt
SVA–SZZ	Greece
TAA–TCZ	Turkey
TDA–TDZ	Guatemala
TEA–TEZ	Costa Rica
TFA–TFZ	Iceland
TGA–TGZ	Guatemala
THA–THZ	France and Colonies
TIA–TIZ	Costa Rica
TJA–TZZ	France and Colonies
UAA–UQZ	U.S.S.R.
URA–UTZ	Ukraine
UUA–UZZ	U.S.S.R.
VAA–VGZ	Canada
VHA–VNZ	Australia
VOA–VOZ	Newfoundland
VPA–VSZ	British Colonies
VTA–VWZ	India
VXA–VYZ	Canada
VZA–VZZ	Australia
WAA–WZZ	U.S.A.
XAA–XIZ	Mexico
XJA–XOZ	Canada
XPA–XPZ	Denmark
XQA–XRZ	Chile
XSA–XSZ	China
XTA–XWZ	France and Colonies
XXA–XXZ	Portuguese Colonies
XYA–XZZ	Burma
YAA–YAZ	Afghanistan
XBA–YHZ	Netherlands Indies
YIA–YIZ	Iraq
YJA–YJZ	New Hebrides
YKA–YKZ	Syria
YLA–YLZ	Latvia
YMA–YMZ	Turkey
HHA–HHZ	Haiti
HIA–HIZ	Dominican Republic
HJA–HKZ	Colombia
HLA–HMZ	Korea
HNA–HNZ	Iraq
HOA–HPZ	Panama
HQA–HRZ	Honduras Republic
HSA–HSZ	Siam
HTA–HTZ	Nicaragua
HUA–HUZ	Salvador
HVA–HVZ	Vatican City
HWA–HYZ	France and Colonies
HZA–HZZ	Saudi Arabia
IAA–IZZ	Italy and Colonies
JAA–JSZ	Japan
JTA–JVZ	Mongolia
JWA–JXZ	Norway
JYA–JZZ	(Not Allocated)
KAA–KZZ	U.S.A.
LAA–LNZ	Norway
LOA–LWZ	Argentina
LXA–LXZ	Luxembourg
LYA–LYZ	Lithauania
LZA–LZZ	Bulgaria
MAA–MZZ	Great Britain
NAA–NZZ	U.S.A.
OAA–OCZ	Peru
ODA–ODZ	Lebanon
OEA–OEZ	Austria
OFA–OJZ	Finland
OKA–OMZ	Czechoslovakia
ONA–OTZ	Belgium and Colonies
OUA–OZZ	Denmark
PAA–PIZ	Netherlands
PJA–PJZ	Curacao
PKA–POZ	Netherlands Indies
PPA–PYZ	Brazil
PZA–PZZ	Surinam
QAA–QZZ	(Serv. Abbreviations)
YNA–YNZ	Nicaragua
YOA–YRZ	Rumania
YSA–YSZ	Salvador
YTA–YUZ	Yugoslavia
YVA–YYZ	Venezuela
YZA–YZZ	Yugoslavia
ZAA–ZAZ	Albania
ZBA–ZJZ	British Colonies
ZKA–ZMZ	New Zealand
ZNA–ZOZ	British Colonies
ZPA–ZPZ	Paraguay
ZQA–ZQZ	British Colonies
ZRA–ZUZ	South Africa
ZVA–ZZZ	Brazil
2AA–2ZZ	Great Britain
3AA–3AZ	Monaco
3BA–3FZ	Canada
3GA–3GZ	Chile
3HA–3UZ	China
3VA–3VZ	France and Colonies
3WA–3XZ	(Not Allocated)
3YA–3YZ	Norway
3ZA–3ZZ	Poland
4AA–4CZ	Mexico
4DA–4IZ	Philippines
4JA–4LZ	U.S.S.R.
4MA–4MZ	Venezuela
4NA–4OZ	Yugoslavia
4PA–4SZ	British Colonies
4TA–4TZ	Peru
4UA–4UZ	United Nations
4VA–4VZ	Haiti
4WA–4WZ	Yemen
4XA–4ZZ	(Not Allocated)
5AA–5ZZ	(Not Allocated)
6AA–6ZZ	(Not Allocated)
7AA–7ZZ	(Not Allocated)
8AA–8ZZ	(Not Allocated)
8AA–9ZZ	(Not Allocated).

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RADIO CONTINENTE
"First on the dial and first in quality"

If you are not familiar with our language, you can still enjoy our beautiful typical music and music from all over the world.

Programs begin daily at 6.00 a m. until 11 p. m. (67th meridian time).

Short Wave 5030 kc.
60 meter band

Send in your reports. Verification card will follow.

RADIO CONTINENTE

Caracas Venezuela
South America

Abbreviations: Corpo. = Corporation. R. = Radio. W. = Weekday. kW = Kilowatt. st. = Station. A.O. = Africa Occidental. V.O.A. = Voice of America. Wi. = Winter. S. = Summer. M.B.C. = Manila Broadcasting Company. MCBS = Mindanao Colleges Broadcasting System. m.v. = Medium Wave. s.w. = Short Wave. G.M.T. = Greenwich Mean Time. D. = Daily. F.M. = Frequency modulated. F.B.S. = Forces Broadc. Service. B.F.B.S. = British Forces Broadc. Service.

EUROPE

ALBANIA

Address: Direction Centrale de la Radiodiffusion d'Albanie, rue Conference de Peza 3, Tirana. –

Stations:

Tirana	1358 kc/s	220.9 m	50 kW
Tirana	6560 –	45.70 –	0.5 –
Korça	7595 –	39.50 –	0.1 –
Tirana	7850 –	38.20 –	3 –
Shkodra	8215 –	36.52 –	0.2 –
Vlore	8500 –	35.30 –	0.1 –

HOME SERVICE:

Albanian: On 1358, 6560 kc/s. W: 05.45–07.30 (Sun. 04.45–06.30), 12.00–14.00, 16.30–21.00. Sun. 06.30–10.00, 11.30–14.00, 15.00–21.00. *Greek:* 22.00. *Italian:* 22.15. *Serbocroat:* 22.30. *French:* 22.45. *English:* 23.00.

News: 05.15, 06.00 (Sun.), 12.30, 13.00 (Sun.), 17.00, 19.00, 21.00.

FOREIGN SERVICE:

On 7850, 6560 kc/s: 04.00 For Albanians abroad – 04.30 Greek – 04.45 English – 05.00 Serbocroat – 05.30 Italian – 05.45 French – 17.15 Turkish – 17.30 For Albanians abroad – 18.00 Serbocroat – 18.15 Rumanian – 18.30 Greek – 18.45 French – 19.00 German – 19.15 Italian – 19.30 For Albanians abroad – 20.00 Serbocroat – 20.30 Greek – 20.45 Bulgarian – 21.00 English – 21.15 Italian – 21.30 Concert.

Announcement: *English:* „This is Radio Tirana, Albania on 38.2 and 42.7 m".

Interval Signal: 7 musical notes played on piano.

RADIO ANDORRA, commercial

Address: "Emisiones Radio Andorra" Andorra la Vieja, Principado de Andorra. – *Cable:* "Radio-Andorra".

Leading Personalities: Director General, Mr. Pierre Benoit. Chief Engineer, Mr. Lucien Killmayer. Director of Programs, Mr. Amades Rossell. Secretary General, Miss Julia Cannut.

Stations: *Radio Andorra.*

866 kc/s 346 m 60 kW – 5980 kc/s 50.16 m 25 kW.

Daily Programmes in *French* and *Spanish:* 11.00–14.00, 17.30–24.00.

Announcement: *French:* "Ici Radio-Andorre". *Spanish:* "Aqui Radio-Andorra Roc de les Anelletes – Andorra La Vieja".

AUSTRIA

Number of Listeners: 1.523.697.

THE BLUE DANUBE NETWORK (American Zone).

Address: APO 541, U.S. Army.

Leading Personalities: Officer in Charge, Major Count A. Boepple, Chief of Operations Mr. R. Ballou, Technical Supervisor Mr. C. E. Meyers.

Home Service in English: 06.00–24.00.

	kc/s	m	kW		kc/s	m	kW
Salzburg	674	445	1	Linz	881	341	1
Zell am See	890	337.1	1	Vienna	1034	290.1	1
Tulln	1223	245.3	0.10	St. Johann	1367	220	0.35

Shortwaves (Salzburg) 0.35 kW: 9617 kc/s 31.20 m, 5080 kc/s 59.10 m.

News: 06.32, 07.15, 10.00, 12.00, 14.00, 16.00, 18.15, 21.00, 22.55, 23.55.

Announcement: "This is the Blue Danube Network".

Verification: Reports answered by QSL-card. Return postage not required.

SENDERGRUPPE ROT–WEISS–ROT (Amer. Zone).

Number of Listeners: 255.801. **Language:** German.

Addresses: Wien VII, Seidengasse 13, Tel. B36555 – Salzburg, Hofstallgasse 5 – Linz, Obere-Donaulaende 1.

Leading Personalities: General Manager Mr. A. Reischek. Managing Director Mr. J. R. Sills. Chief Engineer Dr. R. Stamminger. Administration Director Mr. F. Haeuseler. Chief Political Editor Prof. V. L. Ostry.

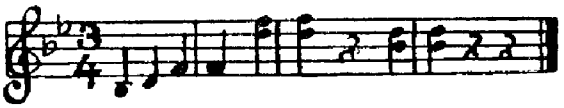
Home Service in German: W. 04.30–00.03; Sun. 05.30–00.03.

Vienna	755 kc/s	397.4 m	100 kW
Linz	773 –	388 –	100 –
Salzburg	1250 –	240 –	10 –
Short wave	9562 –	31.37 –	10 –

Main News Broadcasts: 05.00 (exc. Sun.), 06.00, 11.30, 19.00, 21.00, 23.00. – *RWR-Concert of the Vienna Philharmonic Orchestra:* Sat. 14.10. – *America calling Austria:* D. 18.45.

Announcement: "Hier ist die Sendergruppe Rot-Weiss-Rot, Wien, Salzburg und Linz".

Interval Signal: The first four bars of the "Blue Danube" by Johann Strauss.



Verification by QSL-card.

SENDERGRUPPE ALPENLAND (British Zone). Commercial.

Number of Listeners: 291.913. **Language:** German.

Addresses: *Radio Graz,* Funkhaus Graz, Zuserthalgasse 14a, Graz, Tel. Graz 3347. *Radio Klagenfurt,* Funkhaus Kärnten, Tel. 4741.

Leading Personalities: *Graz:* Director Ing. Dietrich Cordes. Director of Music: Mr. Ernst L. Uray. Chief Editor Mr. Artur Kremsner. Chief Engineer Ing. W. Walzel. – *Klagenfurt:* Director Mr. P. Goritschnig. Director of Programmes: Mr. K. Lackner. Chief Engineer Ing. Lampersberger. Administrator Mr. L. Seiser.

HOME SERVICE:

1. Programme: Graz 1, Klagenfurt 1: 04.30 (Sun. 05.30)–23.00. **Dobl:** 09.15–13.00 (Sat. 14.30); Sun. 07.00–16.00; **Schönbrunn:** W. 04.30–07.15, 10.45–13.00, 15.00–23.00; Sat. 04.30–07.15, 10.45–23.00; Sun. 05.30–23.00.

Graz-Dobl.	1025 kc/s	292.7 m	100 kW	alternately
Graz 1	728 –	412 –	15 –	
Klagenfurt 1	836 –	359 –	7 –	
Schönbrunn	566 –	530 –	0.25 –	Rel. Graz 1

News: 05.00, 06.00, 07.00, 11.30, 16.00, 19.00, 21.00, 22.55. – "Hier ist Europa" (RWR) 18.15. – "Die Stimme Amerikas" 18.45.

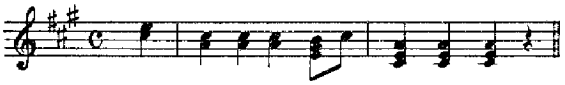
2. Programme: Sun. 06.00–08.00 (Klagenfurt II only), 08.00–11.45, 15.00–21.15. Mo., Wed., Fri. 18.30–21.15; Tues., Thurs., 17.30–21.15; Sat. 16.00–22.00.

Graz II	519 kc/s	578 m	0.2 kW
Klagenfurt II	1304 –	230 –	0.2 –

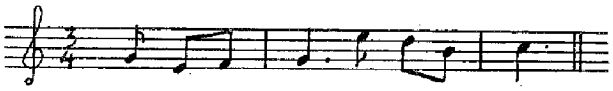
News: 19.00, 21.00.

FOREIGN SERVICE in Slovene: R. Klagenfurt I only: Sun. 06.15–06.45; Thurs., Sat. 17.30–18.00; other Weekdays: 13.30–14.00.

INTERVAL SIGNALS:
Radio Graz: „Mit dem feingeschnittenen Wanderstabe" (Hugo Wolff).



Radio Klagenfurt: "Dort wo Tirol an Salzburg grenzt" (Kärntner Landeshymne).



Verification by letter.

BRITISH FORCES NETWORK (British Zone).
Address: B.7 Forces Broadcasting Station (H.Q., F.B.S. Austria), British Troops in Austria, Opernring No. 6, Graz I.
Leading Personalities: Controller Forces Broadcasting Service Austria Mr. R. H. Icke. Chief Programmes Officer Mr. V. Rees. Technical Officer Mr. A. F. Thorpe, MBE.

HOME SERVICE: English: W. 05.30–07.30, 10.58–22.00 (Sat. 23.00); Sun. 07.00–22.00.

Graz B7 FBS	565 kc/s	531.0 m	1 kW
Klagenfurt C12 FBS	565 –	531.0 –	0.25 –
Vienna C13 FBS	868 –	345.0 –	0.8 –

BBC News: 06.00 (W.), 07.00, 11.00, 13.00, 14.00 (W.), 16.00 (W.), 18.00, 20.00. – *Mailbag* (Request programme from Forces Listeners): 17.00–18.00 (Mo. Wed., Thurs., Fri.).
Announcement: "This is the British Forces Network, Austria". Opening Melody: "Rule Britannia", Closing Melody: "The Queen". – **Verification** by letter.

LANDESSENDER TIROL AND VORARLBERG (French Z). Commercial.
Landessender Tirol:

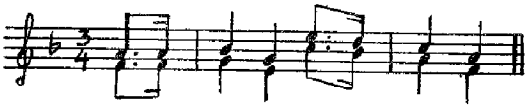
Number of Listeners: 73.298. **Language:** German, French.
Address: Neues Landhaus, Innsbruck, Tel. Innsbruck 6311.
Leading Personalities: Director R. R. D. G. Scheidle, Director of Programmes Dr. A. v. Schuschnigg, Chief Engineer Ing. R. v. Ottenthal.
Home Service in German: W. 05.00–08.10, 09.15–13.10, 14.30–23.00. Sat. 05.00–08.10, 09.15–23.00. Sun. 06.00–23.00.

Innsbruck	629 kc/s	477 m	25 kW
Innsbruck II	519 –	578 –	0.2 –
Innsbruck s. w.	6000 –	50 –	0.5 –

News in German: 05.00 (W.), 06.00, 11.30, 19.00, 21.00. *News in French* (from Paris): 07.00, 12.45 (Mo.–Fri.), 13.00 (Sat., Sun.).
Announcement: "Hier ist der Landessender Tirol".
Interval Signal: First movements of: "Mein schönes Innsbruck am grünen Inn". (Musical Box).

Landessender Vorarlberg:

Number of Listeners: 38.402. **Language:** German, French.
Address: Neues Rathaus, Dornbirn. *Cable:* Landessender Tel. 2291.
Leading Personality: Chief of Broadcasting and Programmes: Mr. C. E. Gasser.
Home Service in German (as Radio Tirol):
Dornbirn 629 kc/s 476.9 m 12 kW; Schruns 1457 kc/s 206 m 0,05 kW.
News: As R. Tirol.
Announcement: "Hier ist der Landessender Vorarlberg".
Interval Signal: "Uf da Berga ist mi Leaba".



RAVAG (U.S.S.R. Zone)
Number of Listeners: 864.283. **Language:** German.
Address: Öffentliche Verwaltung für das österreichische Rundspruchwesen, Ravag, Wien IV. Argentinierstr. 30A (Funkhaus). Telephon U 45-5-50:.
Leading Personalities: Öffentliche Verwalter für das österreichische Rundspruchwesen, General-Director Dr. S. Guggenberger and Technical Director Ing.W.Füchsl.; Director of Programmes Prof. R. Henz; Commercial Director Dr. R. Pristov.

HOME SERVICE:

	kc/s	m	kW	
Vienna I	584	513.8	35	D. 04.40 (Sun. 05.00)–24.00.
Vienna I	6155	48.74	0.2	
Vienna I	11785	25.45	0.2	
Vienna II	1475	203.4	2	Mo.–Fri. 04.40–13.00, 14.00–23.10, Sat. 04.40–23.10, Sun. 05.00–23.10.
Vienna II	7245	41.41	0.3	
Vienna II	9665	31.04	0.3	

Vienna I: *News:* 04.50 (W.), 06.00, 07.00, 11.45 (W.), 12.30 (Sun.), 16.00, 18.45, 21.20, 23.00. – *Echo des Tages:* W. 18.30 (Sat. 18.15),
Nachtsendung (für das Ausland): Daily 00.10. – *Russian Hour:* Sun. and Thurs. 19.15. News from Sovjet: 21.40.
Vienna II: *News:* 04.50 (W.), 06.00, 07.00, 11.45 (W.), 12.00 (Sun.), 16.00, 18.00, 21.00, 23.00. – "*Echo des Tages*" W. 21.40. – *Program-Exchange Paris–Vienna:* 19.15 Mon from Paris, Fri., Sun. to Paris.
Announcement: "Hier ist Radio-Wien auf...".
Interval-Signal: Tick-Tock of an alarm clock. **Verification** by letter.

BELGIUM

Number of Listeners: 1.650.000.
Address: Institut National Belge de Radiodiffusion, Place Eugène Flagey 18, Brussels. *Cable:* I.N.R. Bruxelles.
Leading Personalities: The President of the Conseil de Gestion Minister of Communications: Mr. Paul Segers. *Flemish Dept.:* Director General, Mr. Jan Boon. Deputy Director General, Gust de Muynch. Director of Music Mr. P. Collaer. Director of Spoken Word Mr. Raymond Brulez. For Press and Information Mr. Herman Engels. *French Dept.:* Director General Mr. Theo Fleischman. Asst. Director General Mr. Roger Clausse. Director of Music Mr. René Tellier. Director of Spoken Word Mr.

Frans Hoosemans. For Press and Information Mr. André Guèry. *Overseas Dept.:* Director Mr. Franz Zoete. *Technical Dept.:* Director General Mr. Fernand Mortiaux. Asst. Director General Mr. Georges Hansen. *Foreign Relations* Mr. M. Swaenepoel.

HOME SERVICE:

French Network.

	kc/s	m	kW	
Brussels (National)	620	483.9	150	W. 05.30–09.00, 11.00–23.00. Sun. 05.30–23.00.
Brussels (Regional)	1124	266.9	10	W. 09.00–08.15, 14.00–23.00. Sun. 08.00–18.30, 19.00–23.00. Program in *Germ.* 16.20–16.50.

News: 06.00, 08.00, 12.00, 18.45, 21.00, 21.55.

Flemish Network.

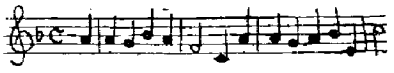
Brussels (National)	926	323.9	150	W. 05.30–09.00, 11.00–12.00. Sun. 05.30–23.00.
Brussels (Regional)	1511	198.5	20	D. 09.00 (Sun. 08.00)–23.00.

News: 06.00, 08.00, 12.00, 18.00, 21.00, 22.00.

Announcement: "Ici Radiodiffusion Nationale Belge". In *Flemish:* "Belgische Nationale Radio-Omroep".

Interval-Signals: *French Network National:* Extract from Grétry's famous melody "Où peut-on être mieux".

Flemish Network National: The first movement of "Beiaardlied" (Extract from Rubens' cantata by Peter Bénoit).



Verification by letter.

FOREIGN SERVICE:

Address: Short Wave Section of the BNBS, P.O. Box 26, Brussels I. *Cable:* INR, Mondial.

Leading Personalities: Dir. Frans Zoete. Ass.-Dir. & Head of French Section: M. Hankard. Head of Dutch & Foreign Sections: J. van Overloop. Director of Public Relations: L. Le Roye.

Stations:	*kc/s*	*m*	*kW*	*period*	*hours of transm.*
ORU	5970	50.25	100	I, II, III	23.30–05.00.
				IV	18.00–05.00.
Wavre	9745	30.78	100	I, II, III, IV	17.00–05.00.
	9767	30.71	100	IV	23.30–05.00.
	11850	25.32	100	I, III, IV	12.15–13.00, 17.00–23.30.
	11850	25.32	20	II	17.45–01.00.
	15335	19.56	100	I, II, III, IV	10.00–13.00 (from 28/2 12.00).
	17860	16.80	100	I, II, III, IV	10.00–13.00.
	21510	13.95	100	I	10.00–13.00.
Relay OTC					
Leopoldville	6140	48.86	50	I, II, III	01.00–05.00.
	9655	31.07	50	IV	01.00–05.00.

D=Dutch; **F**=French; **E**=English; **P**=Portuguese; **S**=Spanish.
CO=Congo; **FE**=Far East; **NA**=North America; **SA**=South America; **SAF**=South Africa; **FU**=French Union; **BE**=British Empire.
I=1/9–30/11; II=1/12–28/2; III=1/3–31/5; IV=1/6–31/8

	I	II	III	IV			
10.00–12.00	17860	17860	17860	17860	D+F	CO	
	21510	15335	15335	15335	D+F	CO	
12.00–12.15	17860		17860		Records	CO	
12.00–13.00	21510	17860		17860	D+F	CO	1)
		15335		15335	D+F	FE	
12.15–13.00	21510		17860		D+F	CO	1)
	15335		11850		D+F	FE	
17.00–17.45		9745			D+F	CO	2)
		15335			D+F	NA+SA	
17.00–18.00	9745		9745	9745	D+F	CO	2)
	11850		11850	11850	D+F	NA+SA	
17.45–18.00		9745			Records	CO	
		11850			Records	SA	
18.00–18.45	11850	5970	11850	11850	D	CO	
18.45–20.15	11850	5970	11850	11850	F	CO	
20.15–21.30	11850	5970	11850		E	BE	
18.00–21.15		11850			D, F, E,	SA	
21.30–23.30		9745			D+F	CO	3)
		11850			D+F	SA	
		5970			D+F	CO	
21.30–23.15	9745		9745	9745	D+F	CO	3)
	11850		11850	11850	D+F	NA	
23.15–23.30			9745	9745	Records	CO	
23.30–01.00	9745	9745	9745	9745	P+S	CO	
	9767	11850	5970	9767	P+S	SA	
		5970			P+S	SA	
01.00–02.00	9745	9745	9745	9745	D+F	CO	4)
	9767	5970	5970	9767	D+F	NA+SA	
	9655*)	6140*)	6140*)	9655*)	D+F	NA	
02.00–03.00	9745	9745	9745	9745	F	CO	
	6065	5970	5970	9767	F	NA	
	9655*)	6140*)	6140*)	9655*)	F	NA	
03.00–05.00	9745	9745	9745	9745	E	CO	
	6065	5970	5970	9767	E	NA	
	9655*)	6140*)	6140*)	9655*)	E	NA	

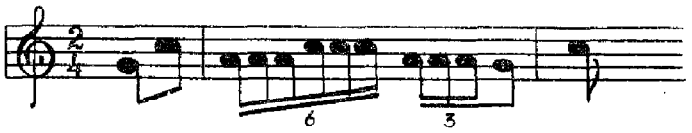
1) For Missionaries (Wedn., Fri., Sun., Mo.). For Seamen (Tues., Thurs.). For sick (Sat.). 2) For Missionaries (Tues. Thurs., Fri., Sun.). For Seamen (Mo., Wedn., Sat.). 3) For Seamen. 4) For Belgian abroad. *) OTC.
News in English: 21.15, 03.00.

DX-Programme: 19.30 (Wedn. for Europe), 03.10 (Thurs. for U.S.A.).

Mo. Non-Stop-Programme: 18.00 News in Dutch, French, and English. 18.15 Request-records for Belgians sick in Switzerland. 18.45 Request & Variety programme.

Announcements: *English:* "This is Brussel, Short-Wave Service of B.N.B.S.". *French:* "Ici Bruxelles, Service d'ondes courtes de la Radiodiffusion Nationale Belge". *Dutch:* "Hier Brussel, de Kortegolfuitzendingen van de Belgische Nationale Radio-Omroep". *Portuguese:* Aqui Bruxelas, Serviço de ondas curtas da Radiodifusao Nacional Belga". *Spanish:* "Aqui Bruxelas, Servicio de ondes cortas de la Radiodifusion Nacional Belga".

Interval-Signal: Xylophone.



Verification by QSL-card.

BULGARIA

Address: Direction de la Radiodiffusion Sofia, Bulgaria.

HOME SERVICE:

Sofia II	593	kc/s	506	m	60 kW
Sofia I	826.9	–	362	–	100 –

On 362 m. W.: 03.55–08.00, 09.55–14.00, 15.25–21.00. Sun.: 04.25–08.30, 09.55–14.00, 14.55–21.00.

On 506 m. W.: 14.55–21.00. Sun.: 08.30–10.00, 14.00–21.00.

FOREIGN SERVICE

6070 kc/s 49.42 m – 7670 kc/s 39.11 m
9700 – 30.93 – – 15330 – 19.57 –

English: 18.45, 21.00, on 6070, 7670 kc/s, 01.00, 04.00 (to North America) on 15330 kc/s.
French: 20.30, 21.30 on 6070 kc/s.
German: 20.00–20.30 on 7670, 6070 kc/s.

Announcements: *Opening:* A Bulgarian march and "Govori Sofia, Govori Sofia". In *French:* "C'est Sofia qui parle". In *English:* "This is Radio Sofia Calling".

Verification by QSL-card or letter.

CZECHOSLOVAKIA

Number of Listeners: 2.614.051.

Address: Ceskoslovensky rozhlasovy vybor, Praha XII, Stalinova 12. *Cable:* Rozhlas.

HOME SERVICE

	kc/s	m	kW	
Czechoslovakia	272	1102.9	10	03.30–23.10
	1286	233	100	in Czech and Slovak
	1484	202	0.5	
Nat. Netw. Prague	638	470.2	120	03.30–23.10
	953	314.0	100	in Czech
	1520	197.4	20/5	
	1484	202.2	0.5	
Bratislava	1097	273.5	150	04.00–22.00 in Slovak

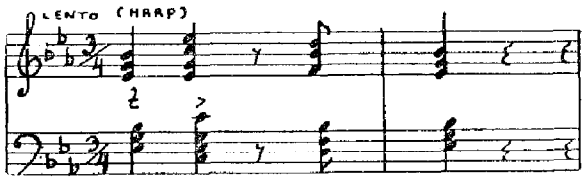
Czechoslovakia: *News* 03.35, 04.30, 05.30, 12.00, 18.00. Newsreel 21.30. *Night Concert:* 21.50. –

Nat. Netw. Prague: *News* 04.00, 05.00, 06.00, 11.30, 18.00 Newsreel 21.30. *Favourite Melodies* 21.50.

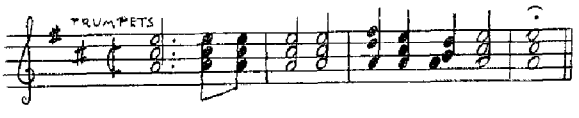
Bratislava: *News:* 04.00, 05.00, 06.00, 11.30, 15.00, 18.00. Newsreel 21.00.

Interval-Signals:

Nat. Netw. Prague:



Czechoslovakia:



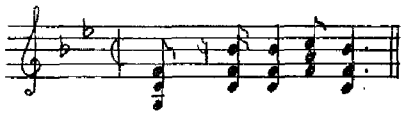
FOREIGN SERVICE

	kc/s	m		kc/s	m
OLR2A	6010	49.92	OLR4A	11760	25.51
OLR	6095	49.22	OLR4A	11840	25.34
OLR2D	6170	48.62	OLR4C	11875	25.26
OLR3B	9504	31.57	OLR4B	15320	19.58
OLR3A	9550	31.41	OLR6A	17830	16.83

English: 12.15–12.45, 11.840 kc/s; 19.00–19.25, 9.504 kc/s; 22.00–22.30, 1.286 kc/s.
French: 19.00–19.30, 1.286 kc/s.
Italian: 06.30–07.00, 9.504 kc/s; 22.30–23.00, 6.170 kc/s.
Yougoslav: 23.00–23.30, 1.232 kc/s; 04.45–05.15, 6.010 kc/s; 05.15–05.45, 6.010 kc/s; 05.45–05.55, 6.010 kc/s; 17.30–18.00, 9.504 kc/s; 22.45–23.15, 1.092 kc/s.
German: 23.00–23.15, 1.283 kc/s; 18.30–19.00, 1.283 kc/s; 20.00–20.30, 1.283 kc/s.
German (Austria): 22.30–23.00, 1.232 kc/s.
Macedonian: 10.45–11.15, 11.840 kc/s.
Greek: 11.15–11.45, 11.840; 16.30–17.00, 9.504 kc/s; 22.00–22.30, 1.232 kc/s.
Swedish and Norwegian: 18.30–19.00, 9.504 kc/s; 20.00–20.30, 6.170.
Russian: 09.00–09.30, 11.760 kc/s.
Spanish: 23.15–23.45, 1.097 kc/s; 06.00–06.30, 9.504 kc/s; 18.00–18.30, 9.504 kc/s; 21.00–21.30, 6.170 kc/s.
U.S.A. and Canada: 00.30–01.00, 9.550 kc/s; 04.00–04.30, 9.550 kc/s.
Chech and Slovak: (U.S.A.): 01.00–01.30, 9.550 kc/s.

Announcement: "Prague calling – This is the voice of peace from Czechoslovakia."

Interval-Signal:



Verification by QSL-card or letter. Return postage not required.

DENMARK

Number of Listeners: 1.275.892.

Address: The Danish State Radio, Radiohuset, Rosenørnsallé 22, Copenhagen. *Cable:* Statsradio.

Leading Personalities: Director, Mr. F. E. Jensen. Chief of Administration, Mr. A. C. Nielsen. Chief of Music Department, Mr. Kai Aage Bruun. Chief of Talks Department, Mr. Arne Fog Pedersen. Chief of Drama Department, Mr. Henning Rohde. Chief of O.B. (Outside Broadcasts), Mr. Aksel Dahlerup. Chief of Information Department, Mr. Paul Berg. Chief of News Department, Mr. N. Grunnet. Chief of Short Wave Department, Mr. Jens Rosenkjær. Chief of Entertainment Department, Mr. Svend Pedersen. Chief of Television, Mr. Jens Fr. Lawaetz. Chief of Technical Department, Mr. Fr. Heegaard.

HOME SERVICE

1st Programme: W. 05.00–09.40, 10.55–13.00, 14.00–22.00. Sun. 07.00–14.00, 14.25–22.00 Relayed by FM-1 (see: *FM Stations of the World.)*

	kc/s	m	kW
Kalundborg I	245	1224	60
Herstedvester	1430	210	15
Copenhagen	1484	202	2*
Herstedvester	6060	42.50**	50**

* 18.15–21.00 only. **17.40–21.00 only.

News: 05.00 (W.), 06.00 (W.), 07.00, 11.30, 17.45, 21.00. Weatherreports 07.45, 10.55, 16.10 (W.), 17.20 (Sun.).

The Danish Short Wave Service: Mr. Kristoffer Lynge, who is responsible for test-transmissions in Greenlandic to Greenland. – Miss Gerda Pullen, (left, standing) is producer of the English programme "Our Guest-book" to N. America every Wedn. 01.20 and announcer in the broadcast to the Far East Tues., Thurs., Sat. at 09.00–10.00 and 14.00–15.00.

2nd Programme: W. 18.15–21.00. Sun. 08.00–11.00, 18.15–21.00. Relayed by FM-2.

Kalundborg II	1061	283	60
Herstedvester	1430	210	15
Skive	1430	210	70
Aalborg	1484	202	0.25
Tønder	1484	202	0.25
Esbjerg	1594	188	2

FM stations see: *FM Stations of the World.* Television stations see: *Television Stations of the World.*

Announcement: "Danmarks Radio Program I (Program II").

Interval-Signal: *Programme I:* From an old Danish folksong:

Daily at 11.00 and 19.00: The chimes of the Town Hall in Copenhagen.

Programme II:

FOREIGN SERVICE

NA=North America. SA=South America. FE=Far East. Au=Australia. NZ=New Zealand. FI=Faroe Islands. IM=India, Malaya. HS=Home Service. DS=Danish Ships. ME=Middle East. FI=Faroe Islands. A=Africa. E=Europe.

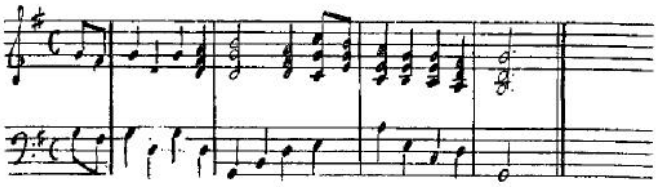
	kc/s	m	kW
Herstedvester	6060	49.50	50
Herstedvester	7260	41.32	50
Herstedvester	9520	31.51	50
Herstedvester	15180	19.76	50
Herstedvester	15165	19.78	50
Herstedvester	15320	19.58	50

01.30–02.30 D. on 9520 kc/s N.A.
02.30–02.50 Tues., Thurs., Sat. on 9520 kc/s. D.S.
03.00–04.00 D. on 9520 kc/s. N.A.*
04.00–04.20 Tues., Thurs., Sat. on 9520 kc/s. D.S.
09.00–10.00 Tues., Thurs., Sat. on 15180 kc/s. FE, Au, NZ.
10.00–10.20 Tues., Thurs., Sat. on 15180. DS.
14.00–15.00 Sun. on 9520 kc/s. FI.
14.00–15.00 Tues., Thurs., Sat. on 15165 kc/s. IM.
15.00–15.20 Tues., Thurs., Sat. on 15165 kc/s. DS.
17.00–17.20 Tues., Thurs., Sat. on 9520 kc/s. E.
17.00–18.00 Mo., Fri. on 15180 kc/s. A., ME.
17.40–21.15 Sun., Tues., Wed., Thurs., Sat. on 6060 kc/s. HS.
18.15–21.15 Mo., Fri. on 6060 kc/s. HS.
22.30–23.30 Mo., Wed., Fri. on 9520 kc/s. SA.
23.30–23.50 Mo., Wed., Fri. on 9520 kc/s. DS.

Programmes consist of News in Danish, Danish Music and Songs, Talks and Features about life in Denmark and Reportages. Every day except Fri. and Sun. parts of North American programmes are presented in English. On Wed. 00.30–01.00 30 min. special programme in Spanish (to South America). Every transmission begins with the chimes of the Town Hall, followed by the National Anthem.

A special **DX-bulletin** is broadcast on Tues. at the end of the two North American programmes.

Interval-Signal: The first movement of "Som en rejselysten Flaade" composed by Carl Nielsen.



Announcement: "Danmarks Kortbølgesender". – "This is the Danish shortwave transmitter".

Message to Listeners: The Danish State Radio is anxious to receive reports on programmes and on reception conditions from all parts of the world. It makes every nedeavour to get into touch with country-men and listeners in countries abroad with a view to providing the best possible short wave service.

Verification: Reports answered by letter or QSL-card.

REPUBLIC OF EIRE

Number of Listeners: 378.270.

Address: "Radio Eireann", G. P. O. Dublin.

Leading Personalities: Director, Mr. Charles Ed. Kelly. Deputy Director: Mr. R. O. Farachain. Director of Music: F. O. H-Annrachain. Director of Features: F. Mac Manus.

HOME SERVICE in English & Irish.

	kc/s	*m*	*kW*	
Athlone	566	530	100	13.00–14.30, 17.30–23.00*)
Dublin	1250	240	1	13.00–14.30, 17.30–23.00*)
Cork	1250	240	1	13.00–14.30, 17.30–23.00*)
Athlone	9595	31.27	1	18.30–18.50, 22.10–22.30*)
Athlone	15120	19.84	1	18.30–18.50, 22.10–22.30*)

*) May–October one hour earlier.

News: I=Irish. E=English.

W: 13.30(E), 18.30(E), 21.55(I), 22.10(E). Sun: 18.30(E), 22.00(E). – The evening news are also transmitted on s.w.

Announcement: "Radio Eireann".

Interval-Signal: Opening bars of "O'Donnell Abú".

Verification by letter.

Denmark Eire Christoffer Lynge Greenland Gerda Pullen

FINLAND

Number of Listeners: 830.000.
Address: OY Yleisradio Ab., Unioninkatu 15, Helsinki.
Cable: Yleisradio – For listeners reports: OY Yleisradio Ab., Information Department.

Leading Personalities: General Manager Mr. Einar Sundström. Second Director, Mr. Onni Toivonen. Director of Finnish Programmes, Mr. Jussi Koskiluoma. Director of Swedish Programmes, Mr. Ragnar Ölander. Technical Director and Chief Engineer, Mr. Juho Rissanen.

HOME SERVICE:
W.: 04.30–06.20, 08.50–12.10, 15.00–21.00. Sun.: 05.45–21.00. On s. w.: 04.30–06.10, 08.50–12.10, 15.00–21.00.

Lahti	254	kc/s	1181 m	150	kW
Oulu (Uleåborg)	433	–	693 –	10	–
Joensuu	520	–	577 –	1	–
Helsinki I (Helsingfors)	557	–	539 –	100	–
Kuopio	755	–	397 –	20	–
Turku I (Åbo)	962	–	312 –	40	–
Ylivieska	989	–	303 –	10	–
Vaasa (Vasa)	1241	–	242 –	10	–
Helsinki II	1484	–	202 –	2	–
Pietarsaari (Jakobstad)	1484	–	202 –	1	–
Pori (Björneborg)	1484	–	202 –	1	–
Tammisaari (Ekenäs)	1484	–	202 –	0.2	–
Tampere (Tammerfors)	1484	–	202 –	1	–
Turku II	1484	–	202 –	0.2	–
Karjaa (Karis)	1594	–	188 –	0.2	–
Pori OIX7	6120	–	49.02 –	10	–

News in Finnish: 04.35(W), 06.00(W), 06.30(S), 10.30, 17.00, 20.00. *News in Swedish:* 04.45(W), 06.10(W), 06.40(S), 10.40, 17.15, 20.10. *Press Review:* In Finnish 10.15. In Swedish 14.45 (Mo., Thurs.). *The Bells of Åbo Cathedral:* 10.00 (W.). – *Swedish by Radio.* Finnish: Thurs. 16.00. – *Russian by Radio.* Finnish: Thurs. 16.15.

FOREIGN SERVICE

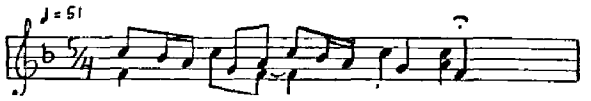
Pori OIX2	31.40 m	9555 kc/s	15 kW
Pori OIX4	19.75 –	15190 –	100 –
Pori OIX5	16.85 –	17800 –	15 –

Pori OIX2 03.00–05.00, 12.15–12.35.
Pori OIX4 03.00–05.00, 11.40–12.35, 14.35–14.55.
Pori OIX5 03.00–05.00, 12.15–12.35, 14.35–14.55.
03.00–04.20. *Finnish*, on 31.40, 19.75, 16.85 m for USA.
04.20–05.00 *Swedish*, (Mon. Finnish) on 31.40, 19.75, 16.85 m for USA.
04.30–06.10 and 08.50–12.10 Same programme as Lahti, not directional on 49.02 m. Lahti progr.
11.40–12.15 Finnish and Swedish on 19.75 m.
12.15–12.35 English on 31.40, 19.75, 16.85 m for Europe. News and review of the Finnish press. (On weekdays only).
1435–14.55 French on 19.75, 16.85 m for Europe.
15.00–21.00 Finnish on 49.02 m. Lahti program.

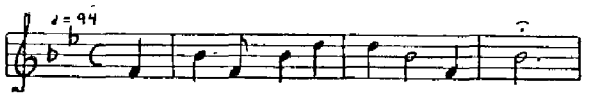
Announcements: *Finnish Progr.:* "Suomen Yleisradio" followed by program announcement from all stations. *Finnish and Swedish Programme:* "Suomen Yleisradio, Finlands Rundradio" from Helsinki, Åbo, Vasa and Jakobstad.

Interval Signals: Every weekday at 08.45: Normal-a.
Lahti: A fragment of the song "Tavastland" by Palmroth before transmission from the Lahti Studio.

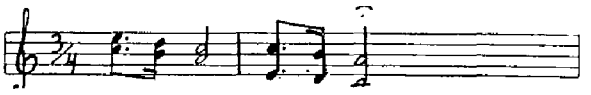
Lahti and **Helsinki:** The interval signal is based on an old Finnish Melody "Kantelemelody".



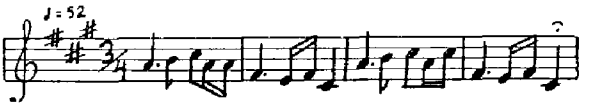
Åbo: A fragment of the anthem of St. Henriks.
Vasa: The first notes of "Vasa March" by Karl Colland.



Kuopio: The first notes of a well-known song about the beauty of "Kallavesi".



Uleåborg: Lapp yodelling.



Verification by QSL.-card.

FRANCE

Addresses:
The Central Service – Radiodiffusion Télévision Française 107, rue de Grenelle, Paris 7ème. *Cable:* Radiodi à Paris. *The Regional Service* – Direction Régionale de la Radiodiffusion Française, 36, Bld. de la Liberté, Lille. – 2, Cours de Tournon, Bordeaux. – 6 Bld. V. Hugo, Limoges. – 20, Quai Gailleton, Lyon. – 34, Rue Croix-de-Régnier, Marseille. – 6, Rue Hippolute Maringer, Nancy. – Palais du Commerce, Rennes. – Villa Greiner, 2, Av. de la Marseillaise, Strasbourg. – 78 bis, Allée Jean-Jaurés, Toulouse.
Leading Personalities:
The Central Services: Président du Conseil Supérieur M Rivet Paul. Directeur Général M Porche. Chef de l'Inspection Générale M Fenelon. Chef du Service des Affaires Générales M Bonami. Directeur des Services Généraux M Tardas. Directeur des Services Techniques M Leschi. Chef du Service de l'Exploitation M Barroux. Directeur des Services Artistiques M Gilson. Directeur des Programmes de Télévision M d'Arcy (par intérim). Administrateur des Services Artistiques M Lenoble. Directeur des Informations et du Journal Parlé M Gayman. Chef du Service des Emissions vers l'Etranger M Rollin. Chef du Service des Echanges Internationaux M Robida. Directeur du Programme National M Barraud. Directeur du Programme Parisien M Arno-Charles Brun. Directeur de Paris-Inter M Brechignac. Chef du Club d'Essai et du Centre d'Etudes Radiophoniques M Tardieu.
The Regional Services (Regional Directors): Bordeaux M Dieduaide. Lille M Lafond (par intérim). Limoges M Sudrie. Lyon M Wadin. Marseille M Besse. Nancy M Villatte. Rennes M Favennec. Strasbourg M Caussidery. Toulouse M Beral.

STATIONS:

National Network ("Rèseau Branley"). –

Strasbourg	1277 kc/s	235 m	100	kW
Paris I	863 –	347.6 –	100	–
Bordeaux I	1205 –	249.0 –	100	–
Pau I	1241 –	241.7 –	20	–
Clermont	1349 –	222.4 –	20	–
Grenoble	1349 –	222.4 –	20	–
Dijon	1349 –	222.4 –	20	–
Nice	1241 –	241.7 –	1	–
Lille	1241 –	241.7 –	20	–
Lyon	1241 –	241.7 –	20	–
Quimper	1241 –	241.7 –	20	–
Rennes	1241 –	241.7 –	20	–
Nancy	1241 –	241.7 –	20	–
Nantes	1349 –	222.4	10	–
Toulouse	1349 –	222.4 –	20	–
Limoges	1349 –	222.4 –	20	–
Marseille	710 –	422 –	100	–
Saint-Brieuc	1484 –	202.2 –	0.05	–*)
Annemasse	1484 –	202 –	1	–
Caen 1	1484 –	202 –	0.05	–

*) to be increased to 100 kW.

Parisienne Network. ("Rèseau Ferrié").

Lyon	602 kc/s	498.4 m	100	kW
Marseille	1070 –	280.4 –	20	–
Limoges	791 –	379.2 –	100	–
Rennes	674 –	445 –	100	–
Nancy	836 –	358.9 –	20	–
Toulouse	944 –	317.8 –	100	–
Paris	1070 –	280.4 –	100	
Strasbourg	1160 –	258.6 –	150	–
Lille	1376 –	218 –	100	–
Nice	1403 –	213.3 –	20	–
Bordeaux	1403 –	213.3 –	20	–
Louvetot	1403 –	213.3 –	20	–
Montpellier	1403 –	213.0 –	10	–
Quimper	1403 –	213.0 –	20	–

Paris Inter:

Allouis	164 –	1829 –	250	–
Nice I	1554 –	193 –	60	–

9 Stations syncronized on 1493, 1484 or 1594 kc/s. 2/05 kW.

Emissions Speciales: Romainville 962 kc/s 312 m 5 kW.

THE NATIONAL NETWORK

Tues., Wedn., Fri.: 05.30–08.15, 11.00–13.30, 17.30–23.00. Mo., Thurs., Sat.: 05.30–08.15, 11.00–23.00. Sun. 06.30–23.00.

News: We. 06.00. 08.00, 12.00, 13,00, 18.30, 22.45. Sun. 07.00, 08,05, 12.00, 18.40, 22.45,

THE PARISIENNE NETWORK

Mo., Thurs., Sat.: 05.30–08.00, 11.00–22.00. Tues., Wedn., Fri.: 05.30–08.00, 11.00–13.00, 17.30–22.00. **Sun.:** 07.00–22.30. *News:* W. 05.30, 07.00, 11.30, 19.00, Sun. 19.00, 11.30, 21.35. *The Voice of America:* D. 17.30

PARIS - INTER

Weekdays: 05.30–23.15. – **Sun.** 06.30–23.15.

In *Arabic:* W. 05.32–06.00 on 280.4 and 202 m.

News: 08.15, 09.15, 10.15, 13.15, 14,15, 22.00. *The Voice of America:* D. 17.30. *Actualites de Paris:* D. 11.30.

FOREIGN SERVICE

Allouis (5 transm. each 100 kW, 1 transm. 10 kW).
Issoudun (4 transm. each 100 kW).

kc/s	*m*	*kc/s*	*m*	*kc/s*	*m*
5955	50.37	7240	41.44	11845	25.32
5965	50.28	7280	41.21	15100	19.87
		9540	31.45		
6145	48.82	9550	31.41	15240	19.68
6200	48.39	9560	31.38	15350	19.54
7105	42.22	9620	31.19	15400	19.48
7120	42.13	9680	30.99	17850	16.81
7160	41.89	9755	30.76	21640	13.86
7220	41.55	11700	25.64	21740	13.79

EUROPEAN SERVICE.

In German to Germany:
06.30–06.45 *Daily* on 6145 kc/s. *Weekdays* also on 164
21.00–22.00 D. on 6200 kc/s.

In Spanish to Spain:
21.00–21.45 *D.* on 5955, 7240 kc/s.
22.05–22.50 *D.* ex Sat. Sun. on 944 kc/s.

In Bulgarian to Bulgaria:
18.45–19.30 *D.* o 9560 kc/s.

In English to Gre Britain:
08.15–08.30 *D.* on 6145 and 7240 kc/s.
18.45–19.00 *D.* on 6200 kc/s.
20.00–21.00 *D.* on 6200 kc/s.

In French to Danube, Balkan:
20.00–20.57 *D.* on 5955, 7105, 7160, 9680 kc/s.

In French to Middle East:
17.15–18.00 *D.* on 15350, 11845 kc/s.

In Finnish to Finland:
17.15–17.30 *D.* on 6200, 7220 kc/s.

In Greek to Greece:
11.30–11.45 on 15100 kc/s relayed by R. Athens.

In Hungarian to Hungary:
18.15–19.00 *D.* on 5955, 7105, 9550, 9680 kc/s.

In Polish to Poland:
10.00–11.00 (Sun. only) on 7280, 9560 kc/s.
17.00–17.15 *Daily* on 6200, 7220 kc/s.
17.30–18.00 *W.* on 1277 kc/s (exc. Sat.).
19.00–19.55 *D.* on 6200, 7160, 9540, 9570 kc/s.

In Portuguese to Portugal:
07.00–07.15 *W.* on 6145 and 7240 kc/s.
19.00–19.45 on 9550 kc/s.

In Rumanian to Rumania:
18.00–18.45 *D.* on 7220, 9560 kc/s.

In Czech and Slovak to Czechoslovakia:
19.00–20.00 *D.* on 5955, 7105 kc/s.

OVERSEAS SERVICE

French:
23.00–01.00 To Antilles, Guyana, et St. Pierre et Miquelon, on 9685, 11700 kc/s.
03.30–03.45 To Madagascar, Réunion, Comores, Côte, Française des Somalis on 7105 kc/s.
05.30–06.30 To Tahiti and Iles Marquises on 9550, 17850 kc/s.
06.45–07.30 To A.O.F. and A.E.F. on 17850 kc/s and 15240 kc/s.
07.30–08.00 To Nouvelle Calédonie and Nouvelle Hébrides on 17850, 15240 kc/s.
10.30–11.00 To Antilles, Guyana and St. Pierre et Miquelon on 17850 kc/s.
13.00–15.00 To Indochine on 15400 and 17850 kc/s.

15.30–15.45 (Mo. to Fri.). To Canada on 17850, 15350 kc/s.
16.00–17.15 To Madagascar, Réunion, Comores, Côte Française des Somalis on 15350, 17850 kc/s.
20.00–21.30 To A.O.F. and A.E.F. on 9540, 11700 and 15240 kc/s.
22.30–23.00 To Indochine on 9675, 11920 kc/s.
Spanish
23.00–23.15 To Latin America on 11700/9560 kc/s.
* AOF = French West Africa. AEF = French Equatorial Africa.
Announcement: "Allo . . . (name of area) Paris vous parle"
Verification by QSL-cards.

GERMANY

GERMAN FEDERAL GOVERNMENT
BUNDESREPUBLIK DEUTSCHLAND

Number of Listeners: 10.258.873.

BAYERISCHER RUNDFUNK (Am. Zone).
Number of Listeners: 1.835.029.
Address: Der Bayerische Rundfunk, Anstalt des öffentlichen Rechts, München 2, Rundfunkplatz 1. *Cable:* Bayernfunk.
Leading Personalities: Superintendant, Mr. R. von Scholtz. Technical Director Mr. Friedrich Zaekel. Director of Administration, Mr. Hans Spies. Chief of Production, Mr. Otto Freundorfer. Ass. Director of Administration Mr. A. Prücklmeier.

HOME SERVICE

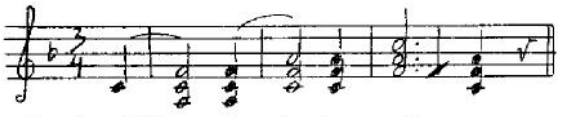
Nürnberg III	520 kc/s	577 m	5 kW
Bayreuth	520 –	577 –	0.2 –
Munich	800 –	375.0 –	100 –
Hof	962 –	311.9 –	0.4 –
Nürnberg I, II	1602 –	187.3 –	40/20 –
Landau/Isar	1602 –	187 –	20 –

FM-stations (see: *FM Stationt of the World)* are broadcasting the 2nd progr.
Coburg, Kempten, Passau, Regensburg, Weiden. Würzburg, Augsburg, Landshut: 1484 kc/s 202 m 0.4/2.5 kW.
Munich 6160 kc/s 48.7 m 10 kW.

1st Programme:
800 kc/s: Mo.–Fri. 04.30–08.45, 09.30–24.00. Sat. 05.00–24.00. Sun. 05.–24.00.
1602 – : Mo.–Fri.: 04.30–08.45 09.30–24.00. Sat. 04.30 –24.00. Sun. 05.00–24.00.
520 – : (5 kW) Jan., Nov., Dec. 08.00–14.15. Feb. 08.00–15.00. March 07.00–16.00. April 06.00–17.00. May 04.30 (Sun. 05.00)–17.30. June, July 04.30 (Sun. 05.00)–18.00. Aug. 05.00–17.00. Sept. 06.00–16.00. Octbr. 07.00–15.00.
520 kc/s: (0.2 kW) W. 04.30 (Sun. 05.00)–08.00, 14.15–24.00. March 04.30 (Sun. 05.00)–07.00, 16.00–24.00. April 04.30 (Sun. 05.00)–06.00, 17.00–24.00. Aug. 04.30 (Sun. 05.00)–06.00, 17.00–24.00. Sept. 04.30 (Sun. 05.00)–06.00, 16.00–24.00. Octbr. 04.30 (Sun. 05.00)–07.00, 15.00–24.00.
962 kc/s: Mo.–Fri. 04.30–08.45, 09.30–24.00. Sat. 04.30–24.00. Sun. 05.00–24.00.
1484 – : As 520 kc/s 0.2 kW.
News: 05.00(W), 05.45(Sun.), 06.00(W), 07.00(W), 08.00(W), 09.30(W), 12.00, 13.00(W), 16.00 (W), 18.45, 21.15, 23.00. *Political Commentary:* Sat. 19.00–19.15. *The Voice of America:* W. 17.45–18.00. *Progr. Preview* W.07.05, Sun.05.50.

Bayerischer Rundfunk: Commentator Mr. Walter v. Cube. Foto Lindinger. *Radio Saarbrücken:* Director of Plays Mr. Wilmten Haaf.

2nd Programme
All FM-stations: Sun. 05.45–22.30. Mo.–Fri.: At different hours between 05.00–08.00. Sat. 13.00–23.00. –
Announcement: "Hier ist der Bayerische Rundfunk".
Interval-Signal: "Solang der alte Peter", music by a kind of cymbal named "Hackbrett".



Verification by QSL-card or by letter. Return postage is not required.

HESSISCHER RUNDFUNK (Am. Zone).
Number of Listeners: 937.805. **Language:** German.
Address: Hessischer Rundfunk (Anstalt des öffentlichen Rechts), Bertramstrasse 8, Frankfurt/Main.
Leading Personalities: Radio Council Dr. R. Keller (Chairman), Administrative Council Dr. Kurt Magnus (Chairman), Intendant Mr. Eberhard Beckmann. Sub. Intendant Mr. G. Michelmann. Administrator Mr. Hans Schmorl. Chief Engineer Dr. F. Miseré. Programmereferent Mr. Wolfhart Müller.

HOME SERVICE

Frankfurt	593 kc/s	505.8 m	100 kW
Meissner	593 –	505.8 –	20 –
Frankfurt	6190 –	48.47 –	1.2 –

FM-stations see: *FM Stations of the World.)*
1st Programme: W. 04.00–23.00 (Sat. 24.00). Sun. 05.00–23.00 on 593, 6190 kc/s and 93.3 mgc/s.
Opera or Symphony: Wed. 19.00–21.00. *Quiz London Frankfurt:* Sat. 20.00 every two weeks.
2nd Programme: FM-stations exc. 93.3 mgc/s,
News on all frequencies: W. 04.00, 05.00, 06.00, 11.45, 16.45, 18.30, 21.00 (1. progr. only), 22.00 (2. progr. only), 23.00. Sun.: 06.10, 11.45, 18.30, 21.00, 22.00, 23.00.
Announcement: "Hier ist Frankfurt" or "Hier ist der Hessische Rundfunk".
Interval-Signal: Motif from Humperdinck's Opera "Königskinder" (Waldhorn).

Verification by QSL-card.

NORDWESTDEUTSCHER RUNDFUNK (Br. Zone)
Number of Listeners: 5.416.293.
Address: Rothenbaumchausse 132/134, Hamburg 13. *Cable:* "Nordfunk".

Germany Bayerischer Rundfunk Radio Saarbrücken Walter von Cube Wilmten Haaf

Süddeutscher Rundfunk: Gunter Freund, announcer in 2nd programme. Gerhard Eichwein, news-announcer in programme 1.

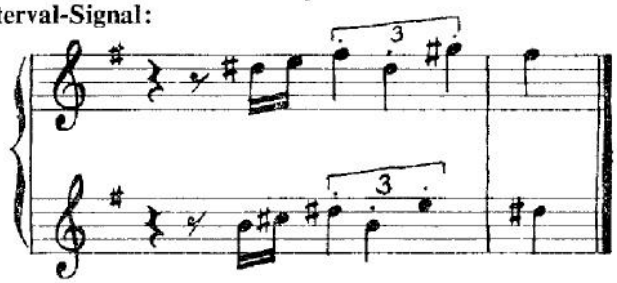
NWDR Köln: Köln/Rhein, Wallrafplatz 5. *NWDR Berlin:* Berlin-Wilmersdorf, Heidelbergerplatz 3. *NWDR Hannover:* Hannover Rudolf-von-Bennigsen-Strasse.
Studios: Bonn: Bundeshaus. Düsseldorf: Klosterstrasse 60. Dortmund: Märkische Str. 120. Flensburg: Friedrich-Ebert-Str. 1. Oldenburg: Oldenburg i. O., Ziegelhof.
Leading Personalities: Director General Dr. h. c. Adolf Grimme. Deputy Director General and 1st Director Dr. Franz Schmidt. Chief-Engineer Dr. Werner Nestel. Director of Television Dr. Werner Pleister. Administrator Dr. Georg Hubrich. Justitiar Dr. Hans Brack. "Leiter des Aussenreferats" W. D. Schultz.
Funkhaus Hamburg: Intendant Ernst Schnabel. Deputy-Intendant Dr. Walter Hilpert. Funkhaus Köln: Intendant Hanns Hartman. Studio-Controller and Deputy Intendant Herbert Fischer. Funkhaus Berlin: Chief-Editor Dr. Franz Rupp. Funkhaus Hannover: Dr. Franz Zons.
HOME SERVICE in German: 04.00(Sun. 05.00–24.00 (Sat. 01.00).

	kc/s	m	kW		kc/s	m	kW
Berlin	566	530.0	5	Langenberg	971	309.0	50
Aachen	701	427.8	5	Göttingen	971	309.0	5
Herford	701	427.8	2	Kiel	1484	202.2	2
Osterloog	701	427.8	2	Hannover	1586	189.1	20
Flensburg	755	397.3	1.5	Osnabrück	1586	189.1	5
Siegen	755	397.3	2	Bonn	1586	189.1	5
Braunschweig	755	397.3	2	Oldenburg	1586	189.1	40
Lingen	755	397.3	1	Münster	1586	189.1	1.5
Hamburg	971	309.0	50				

News: W. 04.00, 05.00, 06.00, 07.00, 07.55, 12.00, 16.00, 18.00, 20.45, 23.00. – *Sun.* 06.00, 08.00, 12.00, 18.00, 20.45, 23.00. – "*Seewetterbericht*": 12.00, 24.00.
FM and Television (see: *FM Stations and Television Stations of the World*).
FOREIGN SERVICE:
All shortwave-programmes are relays of m. w. programmes. SE=South Eastern Europe. NA=North America. NE=Near East.

6270 kc/s	47.84 m	0.4	kW	04.00–10.00	to SE
7290 –	41.15 –	20	–	16.00–24.00	to SE
		0.4		11.00–16.00	
9735 –	30.82 –	0.35	–	16.00–24.00	to NA, NE
11795 –	25.43 –	20	–	04.50–16.00	to NA, NE
– –		0.4	–	16.00–24.00	to NE
15275 –	19.64 –	0.35	–	04.00–16.10	to NE
17815 –	16.84 –	0.35	–	16.00–24.00	to NE
17845 –	16.82 –	0.35	–	04.00–16.10	to NE

Announcement: "Hier ist der Nordwestdeutsche Rundfunk . . . (name of station).
Interval-Signal: Motif from the first movement of Johs. Brahms' 4th Symphony, played from Hamburg on two oboes, Cologne on two horns, Berlin on two clarinets and Hannover on two trumpets.
Interval-Signal:



Verification by QSL-card or letter. Reports to be addressed to "Technische Hörerpost", Hamburg 13.
Future Plans: The German Foreign Service on shortwaves from NWDR will probably start its service in the course of January. The Programmes will be beamed to five areas on the seven s. w. frequencies used by NWDR – Another 20 kW st. under construction in Norden – Osterloog.
RADIO BREMEN (Am. Zone).
Number of Listeners: 143.300.
Address: Heinrich-Hertz Strasse 13, Bremen.
Leading Personalities: Intendant Mr. W. Geerdes, Director of Programmes Dr. A. Arnold, Chief-Engineer Mr. A. Olshausen, Administrator Mr. H. Oliver.
Home Service:

Bremen	1358 kc/s	221.0 m	20 kW
Bremerhaven	1304 –	230.0	2 –

FM station see: *FM Stations of the World.*
News: 06.00(W), 07.00, 08.00(W), 11.45, 15.45(W), 18.45, 22.00.
Announcement: "Hier ist Radio Bremen".
Interval-Signal: The notes B, D, E (si-re-mi).
Verification by letter. Return postage not required.
SÜDDEUTSCHER RUNDFUNK (Am. Zone).
Number of Listeners: 843.657. – **Language:** German.
Address: Süddeutscher Rundfunk, Neckarstrasse 145, Stuttgart. – *Cable:* Rundfunk Stuttgart.
Leading Personalities: Intendant Dr. Fritz Eberhard. Director of Programmes Dr. Peter Kehm. Administrator Mr. Friedrich Müller. Chief Engineer Dr. Helmuth Rupp. Chief for Plays Mrs. Cläre Schimmel. Director of Music Mr. Hans Müller-Kray.
HOME SERVICE:

	kc/s	m	kW
Mühlacker*	575	522	100
Bad Mergentheim**	890	337.1	1
Heidelberg-Dossenheim**	998	300.6	8
Ulm-Jungingen**	1169	257	1
Mühlacker*	6030	49.75	20

*) 1st progr. **) 1st progr. until 17.30 (Sat. Sun. 14.00) 2nd progr. from 17.30 (Sat. Sun. 14.00).
FM-stations (see: *FM Stations of the World*).
1st Programme: Mo. Fri. 03.55–08.05, 09.15–13.00, 14.00–23.05. Tues, Thurs. 03.55–08.05, 09.15–13.00, 14.00–03.15, Wed. 03.55–08.15, 09.15–03.15, Sat. 03.55–08.05, 09.15–24.00. Sun. 05.00–24.00. Relayed by all FM-stations.
News: 04.30(W), 05.00(W), 06.00, 06.55, 08.00(W), 11.30, 17.30(W), 18.30, 21.00, 23.00.

Germany Süddeutscher Rundfunk Gunter Freund Gerhard Eichwein

Südwestdeutscher Rundfunk: Mr. Wolf Dietrich broadcasts every Sunday 18.40 "Die Woche in Bonn".

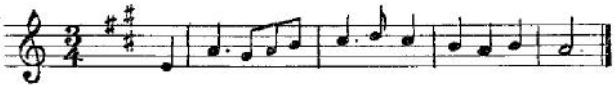
"Die Woche in Bonn": Sun. 18.40. "Militarpolitischer Kommentar": Mo. 21.10. "Stimme Amerikas": Mo.-Sat. 17.45.

2nd Programme: Mo.–Fri.: 17.30–21.20, Sat. 14.00–24.00, Sun. 14.00–22.25. *News:* Mo.–Fri.: 19.00, 21.15, Sat. 19.00, 23.00, Sun.: 19.00, 22.10.

Announcement: "Süddeutscher Rundfunk".

Interval Signal:

The first notes of a Swabian folksong: "Jetzt gang i ans Brünnele".



Verification by letter.

SÜDWESTFUNK (French Zone).

Number of Listeners: 1.054.755. **Language:** German.

Address: Südwestfunk, Moltkestrasse 5, Baden-Baden.

Leading Personalities: Intendant Prof. Friedrich Bischoff. Programme Director Lothar Hartmann. Chief-Engineer Ernst Becker. Administrator Karl Friedrich. Press- & Information Dept. Dr. Ernst Laurenze.

HOME SERVICE W: 05.00–08.45, 10.00–23.10 (Wed. 24.00, Sat. 02.00, Mo. 03.45). Sun. 06.00–03.45.

Baden-Baden	827	kc/s	363	m	1.5	kW
Freiburg	827	–	363	–	18	–
Koblenz	827	–	363	–	1	–
Trier	827	–	363	–	1	–
Kaiserlautern	827	–	363	–	1.5	–
Sigmaringen	827	–	363	–	1	–
Rheinsender	1016	–	295	–	70	–
Bad Dürrheim	1538	–	195	–	20	–
Ravensburg	1538	–	195	–	20	–
Reutlingen	1538	–	195	–	5	–
Baden-Baden s.w.	6320	–	47.47	–	1	–

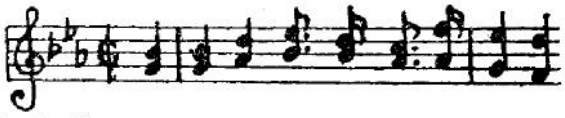
FM-stations (see: *FM Stations of the World).*

News: 05.00(W), 06.00, 07.00, 11.45, 16.30(W), 18.40, 21.00, 23.00.

FM-Programme: Mo.–Fri. 05.00–23.10 (Wed. 24.00). Sat. 05.00–23.10. Sun. 06.00–24.00.

Announcement: "Hier ist der Südwestfunk".

Interval-Signals: Baden-Baden: Motif from Mozart's "Zauberflöte": "Bald prangt den Morgen zu verkünden":



Studio Freiburg: "Glocken Motif des Freiburger Münsters: Petrus und Maria".

Studio Tübingen: „Droben im Oberland . . . .".

Landesstudio Rheinland-Pfalz (Mainz):

Verification by letter.

WEST-BERLIN

Number of Listeners: 641.111.

RIAS (Radio in American Sector).

Address: Berlin-Schöneberg, Kufsteiner Str. 69.

Leading Personalities: Director RIAS Mr. Fred G. Taylor. Deputy Director RIAS and Political Chief Mr. Gordon A. Ewing. U.S. Program Supervisor Mr. Don C. Travis. U.S. Production Supervisor Mr. Thomas K. Brown. U.S. Public Relations Supervisor Mr. Gerard Gert. U.S. Administrative Officer Mr. William H. Shervin. Director of Programs Eberhard Schütz. Chief of Music Professor Elsa Schiller. Chief of Administration Hans Weber. Technical Director Albert Pösniker.

Stations:

Hof	683	kc/s	439.2	m	40 kW	medium wave
Berlin	989	–	303.3	–	100 –	–
Berlin	6006	–	49.94	–	20 –	short wave

FM-station see: *FM Stations of the World.*

Daily Programmes in German: 04.00–02.00.

News: 04.00, 05.30, 06.30, 07.30, 11.30, 12.30, 15.30, 18.30, 21.00, 23.00, 24.00, 01.00, 02.00.

Programmes for USSR Zone: W: 04.35, 06.20, 11.20, 12.40, 18.45, 00.10, 01.00. Sun.: 06.00.

Geläut der Freiheitsglocke: D: 17.00. – *Die Zeit im Funk:* W: 17.30. – *Die Parteien haben das Wort:* Mo.: 19.55, Sat. 16.40. – *From Parliament in Bonn:* Sun. 09.30, Sat. 21.20, Thurs. 21.15. – *Europäische Sendung:* Sun. 17.01. – *Die Funk-Universität:* Mon., Tues. 22.00. – *Das Wissenschaftlische Tagebuch:* Wed. 22.10. – *Junge Menschen aus der freien Welt sprechen zur Jugend aus der USSR Zone:* Mo., Wed., Fri., Sat. 05.20, Tues., Thurs. 04.40. – *Schlager der Woche:* Mo. 19.01. – *Mach Mit:* Thurs. (fortnightly) 19.01. – *Quiz London-Berlin:* Thurs. (fortnightly) 20.00. – *Günter Neumann und seine Insulaner:* 1st. Sun. every month 19.00. – *Symphony:* Tues. 19.06. – *Es geschah in Berlin:* Fri. 20.00 (fortnightly). – *Lieder der Heimat:* Mo. 20.30.

Announcement: "Hier ist RIAS-Berlin".

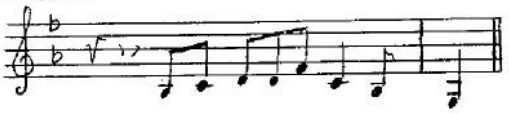
Interval-Signal:

Germany Südwestdeutscher Rundfunk SWF Wolf Dietrich

Verification by letter.
NWDR (see Nordwest Deutscher Rundfunk).

SAARGEBIET

Number of Listeners: 202.500. **Language:** German.
Address: Martin Lutherstr. 12, Saarbrücken 2, Saar.
Station: 1421 kc/s 211.1 m 20 kW.
Daily Programmes: Mo.–Fri. 04.57–07.45, 10.15–13.30, 16.45–22.50. Sat.: 04.57–07.45, 10.15–22.50. Sun.: 04.57–22.50. (Also relayed by FM (see page 00)).
News & Weatherreport: 05.00, 06.00, 07.30(W), 11.30, 12.00(W), 13.00(W), 17.00(W), 18.30(W), 19.00(S), 21,00. 22.45.
Announcement: "Hier spricht Radio Saarbrücken auf Wellenlänge 211.1 m".
Interval-Signal:



Verification by QSL-letter.
Future plans: A television station and a 100 kW m.w. station planned for 1953.

Radio Saarbrücken: Director of Programmes Dr. Schum. *Radio Saarbrücken:* Director General F. Büllmann.

ALLIED SFATIONS

AMERICAN FORCES NETWORK (Am. Zone).
Language: English.
Address: Public Information Office, Hq. AFN, Frankfurt/Main Höchst.
Leading Personalities: Chief Colonel Philip M. Johnson. Deputy Chief Lt. Col. H. G. Price. Executive Officer Capt. Glenn A. Tegge. Programme Supervisor 1st Lt. Thomas J. Decker. Chief of Operations Mr. L. Adelman.

Stations:	kc/s	m	kW	
*) Munich	548	547.4	100	05.00–24.00
*) Berlin	611	491.0	1	05.00–24.00
Bayreuth	665	451.2	10	05.00–24.00
Fulda	854	351.0	0.35	16.00–24.00
*) Frankfurt	872	344.0	150	05.00–24.00
Ansbach	1034	290.2	0.35	05.00–24.00
Bad Kissingen	1034	290.2	0.35	16.00–24.00
Bremen	1034	290.1	0.35	05.00–24.00
Kassel	1034	290.1	0.35	16.00–24.00
*) Stuttgart	1106	271.2	100	05.00–24.00
*) Bremerhaven	1142	262.7	1	05.00–24.00
Coburg	1142	262.7	0.35	16.00–24.00
Fuessen	1142	262.7	0.35	05.00–24.00
Hersfeld	1142	262.7	0.35	05.00–24.00
Würzburg	1142	262.7	0.35	05.00–24.00
Bamberg	1223	245.3	0.35	05.00–24.00
Berchtesgaden	1223	245.3	0.35	05.00–24.00
Eschwege	1223	245.3	0.35	05.00–24.00
Heidelberg	1223	245.3	1	05.00–24.00
Regensburg	1223	245.3	0.35	05.00–24.00
Sonthofen	1223	245.3	0.35	05.00–24.00
*) Nürnberg	1394	215.2	10	05.00–24.00
Garmisch	1502	199.7	0.35	16.00–24.00
Giessen	1502	199.7	0.35	16.00–24.00
Hof	1502	199.7	0.35	16.00–24.00
Bayreuth	5470	55.03	0.35	05.00–24.00
				05.00–24.00

FM-stations see *FM Stations of the World.*
News: 05.30, 06.15(W), 09.00, 11.00, 13.00(W), 15.00(W), 17.00(S), 17.15(W), 20.00(S), 21.55(W), 22.55, 23.55.
The mission of the American Forces Network is to furnish information, education and entertainment, via radio, to American troops stationed in the USZone of Germany, the Bremerhaven Port of Embarkation and the American Sector in Berlin.
Announcement: "This is the American Forces Network AFN serving American Forces in Europe".
Interval-Signal: Every hour, on the hour, AFN airs six "pips", which signify the correct time.
Verification: No listeners reports from other countries are needed.

VOICE OF AMERICA RELAY STATION (American Zone)
Address: Voice of America, c/o American Consulate Munich, Germany or Voice of America; New York 19 N.Y., USA.
Stations:
Medium Wave: Munich 1196 kc/s 251 m 150 kW: 15.30–05.30.
Short Wave: 7.5/100 kW: 24 hours daily.

kc/s	m	kc/s	m	kc/s	m
6080	49.34	7250	41.38	15210	19.72
6105	49.14	9540	31.45	15270	19.65
6140	48.86	9635	31.14	15280	19.63
6175	48.58	9670	31.02	17870	16.79
6185	48.50	11875	25.26		

Daily Programmes: See U.S.A.
Announcement: "This is the American Relay Station in Europe, broadcasting the Voice of America Programmes".
Verification by QSL-card.

RADIO FREE EUROPE (Am. Zone).
Address: Division of the National Committee for a Free Europe, Inc. 1 Englischer Garten, Munich (New York address: 110 West 57th Street). *Cable:* Radieuropa.
Leading Personalities: President National Committee for a Free Europe (New York): Admiral Harald B. Miller. Director Radio Free Europe (New York): Mr. Robert E. Lang. European Director Mr. Richard J. Condon.

Czechoslovak Service from 04.00–24.00:
719 kc/s 417.2 m and in 49, 41, 31, 25 m.b.
News: Headlines on the hour 04.00 to 24.00. *Newcasts:* 04.00, 05.00, 06.00, 07.00, 12.20, 14.00, 16.00, 18.20, 22.00, 23.40.
International Commentary: D. 07.05, 17.05, 20.05. – *N.Y. Correspondent:* D. 11.05, 13.05, 19.05, 23.05. – *Local Commentary:* D. 05.50, 12.35, 18.35, 23.05. – *Other Side of the Coin:* D. 05.15, 22.15. – *Messages:* D. 05.35, 06.30, 12.45, 18.45. – *Calling the Communist P.:* Mon., Wed., Fri. 10.45,

Germany Radio Saarbrücken Dr. Schumann F. Büllmann

Radio Free Europe: Mr. Jaraslav Kohout, Bob Hope of Czechos_ov kia, and a supporting cast of Czexh actors broadcasting the popular RFE programme "Political Cabaret" behind the iron curtain.

20.45, 23.15. – *RFE Prague Correspondent:* Sat. 10.15, 20.15, 23.15. – *Czechs and Slovaks in West:* Mon.–Wed. 10.15, 20.15. – *From Official Soviet Sources:* Thurs. 10.15, 20.15, 23.15.

Hungarian Service from 05.00–23.00.
In 49, 41, 31 m.b.
News: W. hourly 05.00 to 23.00. – Sun. hourly 09.00 to 23.00.
Home Commentary: Sun. 09.05, 18.10. Mon.–Sat. 05.10, 08.10, 11.10, 17.10, 20.10. – *International Commentary:* Sun. 14.05, 22.05. Mon.–Sat. 06.50, 09.50, 11.50, 18.50, 20.50. – *Local Commentary:* Sun. 13.05, 17.05, 21.05. Mon.–Sat. 06.10, 09.10, 12.10, 18.10, 21.10. – *Letter from the West:* Wed. 11.35, 20.35. Fri. 12.20, 21.20. – *Week in London:* Mon. 12.20, 21.20. – *Hungarian College:* Tues., Thurs., Sat. 12.20, 21.20. – *Women in the Free World:* Wed. 08.20, 10.20, 17.20, 19.20. – *Messages:* Sun. 11.10, 15.10, 19.10. Mon., Wed., Fri. 08.45, 10.45, 13.45, 17.45, 19.45, 22.45. Tues., Thurs. 08.45, 13.45, 17.45, 22.45.

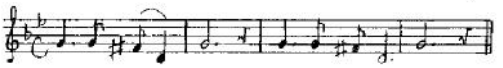
Polish Service from 05.00–08.00, 11.00–14.00, 17.00–23.00.
In 41, 31 m.b.
Newscasts: On the hour 05.00 to 08.00, 11.00 to 14.00, 17.00 to 23.00.
International Commentary: D. 05.40, 20.40. – *Forbidden Songs:* D. 05.30, 11.30, 17.30, 20.30. – *Track of History:* D. 05.10, 11.10, 17.10, 20.10. – *Other Side of the Coin:* D. 06.10, 12.10, 18.10, 21.10. – *Local Commentary:* D. 07.40, 13.40, 19.40, 22.40. – *Reading Aloud:* D. 07.30, 13.30, 19.30, 22.30. – *Travelling Reporter:* Mon., Wed., Fri. 05.50, 11.50, 17.50, 20.50. – *Fighting Church:* Mon.–Fri. 07.20, 13.20, 19.20, 22.20. – *Round Table Discussion:* Sun. 11.05, 17.05, 22.05. – *Popular Quiz:* Sun. 12.20, 18.20, 23.20.

Announcements: *Czech:* Sign on: "Vola hlas svobodneho Ceskoslovenska, stanice Svobodna Evropa". ("This is the Voice of Free Czechoslovakia Radio Free Europe"). Sign off: "Rozhlasova stanice Svobodna Evropa". – *Hungarian:* "Itt a Szabad Europa Radioja, a Szabad Magyarorszag Hangja". – *Polish:* "Mowi Radio Wolna Europa – Gloz Wolnej Polski". –

Czech: Czech National Anthem.

Hungarian: Old Hungarian folksong "When the Cock Crows".

Táragotó



Polish: Polish patriotic song: "The day will come".

Verification by letter.

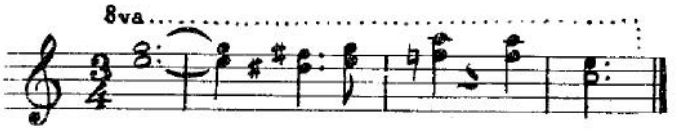
BRITISH FORCES NETWORK (B.F.N.)
Address: BAOR, Welfare Unit, BAOR3, Hamburg, Germany.

Stations:
Hamburg, Hannover, Langenberg 20 kW
Herford, Berlin 10 kW synchronized on 1214 kc/s.
Bonn 1367 kc/s 219.4 m 1 kW.

Daily Programmes in *English:* 05.30(Sun. 06.00)–23.00 (Sat. 24.00).
News: W: 07.00(BBC Home Service), 07.10 (From Germany), 08.00 (BBC Light Progr.), 11.45 (BAFO), 12.00 (BBC Home Service), 18.00 (Newsreel), 21.00, 22.56. Sun.: 08.00 (BBC Light Progr.), 08.10 (BAFO), 13.00 (BBC Home Service), 18.00 (Newsreel), 21.00, 22.56.

As BFN shares its frequencies (1214 kc/s) with the BBC Light Programme, BFN must take the Light Programme from one hour before sunset throughout the year in order to avoid mutual interference.

Announcement: "This is the British Forces Network".
Interval-Signal: "Moonlight on the Alster" played on the Celeste:



Verification by letter.

GERMAN DEMOCRATIC REPUBLIC
DEUTSCHE DEMOKRATISCHE REPUBLIK

Number of Listeners: Approx. 3.500.000.

Address: Staatliches Rundfunkkomitee, Berlin-Oberschöneweide, Nalepastrasse 18-50.
Leading Personalities: Chairman Kurt Heiss. Deputy Chairman Wolfgang Kleinert. Chief Engineer Gerhard Probst.

Stations: Stations are situated in Berlin, Dresden, Halle, Leipzig, Potsdam, Schwerin, Weimar.

Berlin I		Berlin II		Berlin III	
kc/s	m	kc/s	m	kc/s	m
728	412.1	185	1621.6	1043	287.6
782	383.6	910	329.7	1484	202.2
800	375.0	1016	295.3	1570	191.1
6115	49.06	1196	250.8	9730	30.83
7150	41.96				

FM-Stations see *FM Stations of the World.*
Berlin I: D: 03.30–00.30. *News:* 04.00, 05.00, 06.00, 07.00, 10.00(Sun.), 11.00, 12.00, 16.00(W), 17.00, 18.00(Sun.),

Germany Radio Free Europe RFE Jaraslav Kohout Bob Hope

19.00(W), 21.00(W), 23.00, 24.00, 00.00 Information-Service for the newspapers.
Berlin II: W: 03.30–08.45, 10.30–24.00. Sun. 03.30–24.00. *News:* 03.30, 04.30, 05.30, 06.30(W), 07.30(Sun.), 08.30 (W), 10.30(W), 15.30, 17.30, 21.30, 23.30(W).
Berlin III: 03.30–07.00, 08.45–24.00. Sun. 03.30–24.00. *News:* 03.45, 04.45, 06.45, 09.45, 11.45, 17.45, 21.00, 23.45.
Announcement: "Hier ist Berlin I (II or III)".
Interval-Signal: Melody "Mit uns zieht die neue Zeit", at each network in different instrumentation.

GREAT BRITAIN

Number of Listeners: Radio: 11.213.437; Television: 1.564.253.

Address: The British Broadcasting Corporation, Broadcasting House, Portland Place, London W.1.
Leading Personalities: Chairman The Rt. Hon. Sir Alexander Cadogan, O.M., G.C.M.G., K.C.B.; Vice-Chairman Marshal of the Royal Air Force The Lord Tedder, G.C.B., L.L.D.; Director General Sir Jan Jacob, K.B.E., C.B.; Director Administration Air Chief Marshal Sir Norman Bottomley, L.C.B., C.I.E., D.S.O., A.F.C.; Director of Television Broadcasting G. R. Barnes; Director of External Broadcasting J. B. Clark, C.B.E.; Director of the Spoken Word H. J. G. Grisewood; Director of Technical Services H. Bishop, C.B.E.; Acting Director of Home Sound Broadcasting R. E. L. Wellington, C.B.E.; Controller Light Programme K. Adam; Acting Controller Third Programme H. C. Holme; Acting Controller Home Service G. D. Adams; Controller of Television Programmes C. McGivern; Controller Entertainment (Sound) R. J. F. Howgill, C.B.E.; Editor News T. R. P. Hole; Controller Talks Miss M. Somerville, O.B.E.; Chief Engineer R. T. B. Wynn, C.B.E.; Controller Finance T. Lochhead, C.B.E.; Controller Staff Administration J. H. Arkell.

HOME SERVICES (Medium Waves)

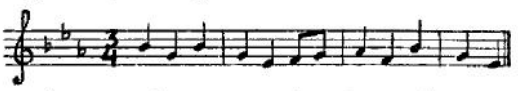
		kc/s	m	kW
Moorside Edge	Northern	692	434	150
Whitehaven	Northern	1484	202	0.25
Barrow	Northern	1484	202	0.25
Westerglen	Scottish	809	371	100
Burghead	–	809	371	100
Redmoss	–	809	371	5
Washford	Welsh	881	341	100
Penmon	–	881	341	8
Wrexham	–	881	341	0.25
Brookmans Park	London	908	330	140
Ramsgate	–	1484	202	0.5
Start Point	West	1052	285	120
Fremington	–	1052	285	0.25
Clevedon	–	1457	206	20
Bartley	–	1457	206	10
Brighton	–	1457	206	1
Folkestone	–	1457	206	0.25
Hastings	–	1457	206	0.25
Droitwich	Midland	1088	276	150
Norwich	–	1088	276	7.5
Lisnagarvey	N. Ireland	1151	261	100
Londonderry	–	1151	261	0.25
Stagshaw	–	1151	261	100
Scarborough	–	1151	261	0.25

Mr. Gwyn Morris who is responsible for the BBC "English by Radio" broadcasts in Italian.

The British Broadcasting Corporation: William Stokles, who broadcasts news commentaries in the BBC French Service and is also heard in a weekly industrial review in the BBC English speaking programme "London Calling Europe".

Light Programme:	kc/s	m	kW
Droitwich	200	1500	400
Brookmans Park	1214	247	60
Burghead	1214	247	20
Lisnagarvey	1214	247	10
Londonderry	1214	247	0.25
Moorside Edge	1214	247	58
Plymouth	1214	247	0.3
Redmoss	1214	247	2
Redruth	1214	247	2
Newcastle	1214	247	2
Westerglen	1214	247	50
Third Programme:			
Daventry	647	464	150

4 stations 2 kW syncronized on 647 kc/s and 15 stations 0.25/2 kW on 1546 kc/s.
Television Stations see: *Television Stations of the World.*
DAILY PROGRAMMES:
Home Service:
Weekdays from 06.30–23.03. *Sundays* from 07.55–23.03. *News:* D. 07.00(W), 08.00, 13.00, 18.00, 21.00, 23.00 (News Summary). – *Greenwich Time Signals* 06.00(W), 07.00, 10.00(W), 12.00, 17.00, 22.00.
Interval-Signal: Bow Bells.
Light Programme:
Weekdays from 09.00–24.00.
News: D. 09.00, 19.00, 22.00, 23.56 (News Summary).– *Greenwich Time Signals:* 08.00 (Sun.), 09.00(W), 13.00 (W), 14.00(W), 18.00, 21.00.
Interval-Signal: 1) Oranges and Lemons.



There are four versions, one played on the novachord and three played on the novachord celeste; the last three differ in that they are of varying duration.
2) Harp arpeggio – a choice of six harp interludes.
Third Programme: Daily from 18.00–24.00.

FOREIGN SERVICE

2880 kc/s	104.2 m	GRC		6070 kc/s	49.42 m	GRR	
6010 –	49.92 –	GRB		6090 –	49.26 –	GWM	
6035 –	49.71 –	GWS		6110 –	49.10 –	GSL	
6040 –	49.67 –	GSY		6125 –	48.98 –	GWA	
6050 –	49.59 –	GSA		6150 –	48.78 –	GRW	
6060 –	49.50 –	GSX		6165 –	48.66 –	GWK	

Great Britain BBC London Gwyn Morris William Stokles

Great Britain

6170	kc/s	48.62 m	GSZ	9700	kc/s	30.93 m	GWY
6180	–	48.54 –	GRO	9825	–	30.53 –	GRH
6195	–	48.43 –	GRN	9915	–	30.26 –	GRU
7075	–	42.40 –	GRS	11680	–	25.68 –	GRG
7120	–	42.13 –	GRM	11700	–	25.64 –	GVW
7150	–	41.96 –	GRT	11730	–	25.58 –	GVV
7185	–	41.75 –	GRK	11750	–	25.53 –	GSD
7200	–	41.67 –	GWZ	11770	–	25.49 –	GVU
7210	–	41.61 –	GWL	11790	–	25.45 –	GWV
7230	–	41.49 –	GSW	11800	–	25.42 –	GWH
7250	–	41.38 –	GWI	11820	–	25.38 –	GSN
7260	–	41.32 –	GSU	11840	–	25.34 –	GWQ
7280	–	41.21 –	GWN	11860	–	25.30 –	GSE
7320	–	40.98 –	GRJ	11880	–	25.25 –	GRE
9410	–	31.88 –	GRI	11890	–	25.23 –	GWW
9510	–	31.55 –	GSB	11930	–	25.15 –	GVX
9525	–	31.50 –	GWJ	11955	–	25.09 –	GVY
9550	–	31.41 –	GWB	12040	–	24.92 –	GRV
9570	–	31.35 –	GWX	12095	–	24.80 –	GRF
9580	–	31.32 –	GSC	15070	–	19.91 –	GWC
9600	–	31.25 –	GRY	15110	–	19.85 –	GWG
9625	–	31.17 –	GWO	15140	–	19.82 –	GSF
9640	–	31.12 –	GVZ	15180	–	19.76 –	GSO
9660	–	31.06 –	GWP	15210	–	19.72 –	GWU
9675	–	31.01 –	GWT	15230	–	19.70 –	GWD
9690	–	30.96 –	GRX	15260	–	19.66 –	GSI
15300	–	19.61 –	GWR	21470	–	13.97 –	GSH
15310	–	19.60 –	GSP	21530	–	13.93 –	GSJ
15435	–	19.44 –	GWE	21550	–	13.92 –	GST
15450	–	19.42 –	GRD	21640	–	13.86 –	GRZ
17700	–	16.92 –	GVP	21675	–	13.84 –	GVR
17715	–	16.93 –	GRA	21710	–	13.82 –	GVS
17730	–	16.92 –	GVQ	21750	–	13.79 –	GVT
17790	–	16.86 –	GSG	25750	–	11.65 –	GSQ
17810	–	16.84 –	GSV	26100	–	11.49 –	GSK
18025	–	16.64 –	GRQ	26400	–	11.36 –	GSR
18080	–	16.59 –	GVO	26550	–	11.30 –	GSS
18130	–	16.55 –	GRP				

EUROPEAN SERVICES:

B.B.C. European Services (Medium Waves):

Ottringham	1295 kc/s	232 m	150 kW
Crowborough	1340 –	224 –	150 –

A.C.E.=America Calling Europe. A.C.=America Calling. E by R=English by Radio. P=Program.

Albanian:
15.00–15.15 in 49, 41, 31, 25, 19 m.b. *News and Program.*
16.30–16.45 in 41, 31, 25 m.b. and 293 m. *News.*
20.00–20.15 in 31, 25 m.b. *News.*

Austrian:
17.15–17.30 in 41, 31, 25 m.b. *Program.*
17.30–17.45 in 41, 31, 25 m.b. *Program.*

Bulgarian:
04.30–04.45 in 49, 41, 31, 25, 19 m.b. and 1500 and 293 m. *News.*
06.00–06.15 in 49, 41, 31 m.b. (Mon. and Wed) and 293 m. *E by R.*
11.00–11.15 in 49, 41, 31, 25, 19 m.b. *News.*
15.30–15.45 in 49, 41, 31, 25, 19 m.b. *News.*
16.15–16.30 in 49, 41, 31, 25 m.b. and 293 m. *News.*
20.30–21.00 in 49, 31 m.b. and 293 m. *News.*

Czech:
05.15–05.30 in 49, 41, 31, 25, 19 m.b. and 1500, 464, 232, 293 m. *News.*
06.00–06.15 in 49, 41, 31 m.b. and 293 m. Tues. Thurs. *E by R.*
11.45–12.00 in 49, 41, 31, 25, 19 m.b. *News.*
17.45–18.15 in 49, 41, 31, 25, 19 m.b. and 293 m. *News and Program.*
20.15–20.30 in 49, 41, 31, 25 m.b. *News.*
22.00–22.30 in 232 m. Sat only *C.B.C. Czech Program,*

Slovak:
13.45–14.00 in 49, 41, 31, 25, 19 m.b. *News and Program.*

Danish:
17.00–17.30 in 49, 41 m.b. and 232 m. *News and Program.*

Dutch:
07.00–07.15 in 41, 31 m.b. 464 m. Sun. Mon. *E by R.*
16.00–16.15 in 41, 31, 25 m.b., 224 m. Sat. Sun. *E by R.*
21.00–21.30 in 49 m.b. and 224 m. *News and Program.*

English:
06.00–06.30 in 49, 41, 31 m.b., 464 m. *News and Program.*
07.00–07.30 in 49, 41, 31 m.b. and 232 m. *News and Progr.*
*)08.30–09.15 in 31, 25 m.b. *Sun. Religious Sce.*
*)09.15–09.30 in 31, 25 m.b. *Weekdays.*
11.30–11.45 in 31, 25 m.b. *E by R.*
12.15–12.30 in 41, 31, 25 m.b. *E by R.*
12.30–12.45 in 41, 31, 25 m.b. *Dictation Speed News.*
12.45–13.00 in 41, 31, 25 m.b. *News.*
16.15–17.00 in 41, 31, 25 m.b., 224, 464 m. *English, A.C.E.*
16.30–16.45 in 49, 41, 31 m.b. *E by R.*
17.15–17.30 in 41, 31, 25 m.b. and 224 m. *E by R.*
17.30–17.45 in 49, 31, 25 m.b., 293 m. *E by R.*
17.30–18.15 in 41, 31, 25 m.b. and 224 m. *News and Progr.*
18.15–18.30 in 49, 41, 31, 25 m.b., 224, 232, 293 m. *Press Review.*
18.30–19.00 in 49, 41 m.b. *News and Program.*
19.30–20.00 in 41, 31, m.b. *News and Program.*
21.30–21.45 in 49, 41 m.b. and 232 m. *E by R.*
21.45–22.00 in 49 m.b., 224 m. *News.*

Finnish:
10.00–10.30 in 31, 25 m.b. Sun. only *Jazz Program.*
14.45–15.00 in 49, 41, 31, 25, 19 m.b. *News.*
16.00–16.30 in 49, 41, 31, 25 m.b. *News and Program.*
19.00–19.15 in 49, 41, 31 m.b. *News.*

French:
06.30–06.45 in 49, 41, 31 m.b. and 464 m. *News.*
11.30–11.45 in 41, 25 m.b. and 464 m. *News.*
18.30–20.00 in 49, 41, 31 m.b. and 224 m. *News, Press Review, Program.*
20.00–20.15 in 49, 41, 31 m.b. and 224 m. "*L'Anglais par la Radio*".
20.15–21.00 in 49, 41, 31 m.b. and 224 m. *News, Commentary, Program.*

German:
04.40–05.15 in 49, 41 m.b., 232 m. *News and Program.*
06.00–06.50 in 49, 41, 31 m.b. and 232 m. *News and* "*Lernt Englisch*".
15.45–16.00 in 49, 41, 31 m.b., 232 m. Sun only *Program.*
16.00–16.15 in 49, 41, 31 m.b. and 232 m. *News, Press Review.*
19.00–21.00 in 49, 41 m.b. and 232 m. *News, Press Review and Program.*
21.00–21.15 in 49, 41 m.b., 232 m. *News.*
21.15–21.30 in 49, 41 m.b., 232 m. "*Lernt Englisch*".
23.00–23.15 in 49 m.b. and 232 m. *News.*

Greek:
04.00–04.15 in 49, 41, 31 m.b. and 293 m. *News.*

*)One hour later fra Sunday, October 26.

11.15–11.30 in 25, 19 m.b. *News.*
12.15–12.30 in 25, 19 m.b. *E by R.* Mo. Thur.
16.15–16.30 in 31, 25 m.b. *E by R.* Tu. Fri.
18.30–19.00 in 31, 25 m.b. *News, Program.*

Hungarian:
04.45–05.00 in 49, 41, 31, 25, 19 m.b., 1500, 293 m. *News.*
05.45–06.00 in 49, 41, 31, 25, 19 m.b., 1500, 293, 232 m. *News.*
12.00–12.15 in 49, 41, 31, 25, 19 m.b. *News.*
13.00–13.15 in 49, 41, 31, 25, 19 m.b. *News.*
16.45–17.15 in 49, 41, 31, 25, 19 m.b. and 293 m. *News and Program.*
19.30–19.45 in 49, 41, 31, 25 m.b. and 293 m. *News.*

Italian:
06.30–06.45 in 49, 31 m.b. and 293 m. *News.*
06.45–07.00 in 49, 31 m.b. *E by R.* Mo. Thurs.
12.30–12.45 in 31, 25 m.b. *News.*
12.45–13.00 in 31, 25 m.b. *E by R.* Tues. Fri.
18.30–19.00 in 49, 41, 31 m.b. and 293 m. *Program.*
21.00–21.45 in 49, 41 m.b. and 293 m. *News, Program.*

Norwegian:
16.45–17.00 in 49, 41, 31 m.b. *E by R.* Sun., Tues., Wed., Fri.
17.30–18.00 in 49, 41 m.b. and 232 m. *News, Program.*

Polish:
05.30–05.45 in 49, 41, 31, 25, 19 m.b. and 232, 293, 464, 1500 m. *News.*
14.00–14.15 in 49, 41, 31, 25, 19 m.b. *News.*
16.15–16.45 in 49, 41, 31 m.b. *A.C. Poland.*
17.15–17.45 in 49, 41, 31 m.b. *News and Program.*
21.00–21.15 in 49, 41, 31, 25, 19 m.b.
23.30–00.15 in 49, 41, 31, 25, 19 m.b., 224, 232, 464, 1500 m.

Portuguese:
19.30–20.00 in 41, 31 m.b. *News, Program.*

Rumanian:
04.15–04.30 in 49, 41, 31, 25, 19 m.b. and 293, 1500 m. *News.*
10.45–11.00 in 49, 41, 31, 25, 19 m.b. *News.*
15.15–15.30 in 49, 41, 31, 25, 19 m.b. *News.*
16.00–16.15 in 41, 31, 25 m.b., 293 m. *News and Progr.*
19.00–19.30 in 41, 31 m.b., 293 m. *News and Program.*
21.45–22.00 in 49, 31 m.b., 232, 293 m. *News.*

Russian:
00.15–00.30 in 49, 41, 31 m.b., 224, 232, 464, 1500 m. *News and Program.*
03.15–03.45 in 49, 41, 31, 25, 19 m.b. *News, Program.*
14.15–14.45 in 49, 41, 31, 25, 19 m.b. *News, Program.*
21.15–21.45 in 49, 41, 31, 25, 19 m.b. *News, Program.*

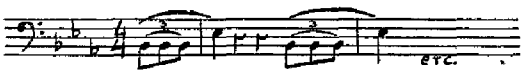
Spanish:
13.15–13.30 in 41, 31, 25 m.b. *News.*
13.30–13.45 in 41, 31, 25, 19 m.b. *E by R.* Mon., Tues., Thurs., Fri.
20.00–20.45 in 41, 31 m.b. *News, Program.*

Swedish:
18.30–19.00 in 49, 41, 31 m.b. and 232 m. *News and Program.*

Turkish:
05.30–05.45 in 31, 25 m.b. *News.*
16.30–16.45 in 31, 25 m.b. *News, Program.*
19.00–19.30 in 31, 25 m.b. *News.*

Yugoslav:
13.30–13.45 in 31, 25 m.b. *News.* Sun. only.
16.15–16.30 in 31, 25 m.b. *E by R.* Mo. Wed. only.
17.15–17.30 in 49, 31, 25 m.b. and 293 m. *News.*
19.45–20.30 in 49, 31, 25 m.b. *News and Program.*
20.30–20.45 in 41, 31 m.b., *Slovene. News and Program.*
22.00–22.15 in 49, 41, 31 m.b., 293 m. *News and Program.*

Interval-Signal for European Service: Morse Signal "V" (V for Victory) played on Timpani (i.e. ...-).



AMERICA CALLING EUROPE AND MIDDLE EAST
Relay VOA 14.15–22.00.

14.15–14.45	Russian	15.30–16.00	*English*
14.45–15.15	Armenian	16.30–17.00	Persian
15.15–15.30	Georgian	16.30–16.45	Finnish
15.30–15.45	Estonian	17.00–17.30	Turkish
15.45–16.00	Latvian	17.00–17.15	Slovene
16.00–16.15	Lithuanian	17.15–17.30	Albanian
17.45–18.00	*English*	17.30–17.45	Italian
	Serbo-Croat	20.00–20.30	Czech
18.00–18.30	Russian	20.15–20.45	Portuguese
18.30–19.00	Ukranian	20.30–21.00	Polish
18.30–18.45	Finnish	20.45–21.30	Spanish
19.00–19.30	*English*	21.00–21.15	Lithuanian
	Hungarian	21.15–21.45	Russian
	Arabic	21.45–22.00	Czech
19.30–20.00	Rumanian		
	Bulgarian		

GENERAL OVERSEAS SERVICE

The General Overseas Service, which operates 23 hours a day, and can be heard at suitable listening times all over the world, is addressed to English-speaking listeners, wherever they may be. All programmes are in English. The times at which the General Overseas Service is available in various parts of the world and the appropriate wavebands are:

		m.b.
Pacific:	06.00–08.00	31, 25
	10.00–11.15	25, 19, 16
	20.00–22.00	31, 25, 19
Mediterranean Area:	04.00–07.30	49, 41, 25
	10.45–21.00	41, 31, 25, 19
Africa:	04.00–08.45	41, 31, 25, 19, 16, 13
	10.45–22.45	41, 31, 25, 19, 16, 13
Middle East:	04.00–06.15	31, 25
	10.45–21.00	31, 25, 19, 16 ,13
Far East:	10.00–14.15	31, 25, 19
South Asia:	02.00–02.15	41, 31
	10.00–18.15	25, 19, 16, 13
South East Asia:	10.00–15.15	19, 16, 13
North America:	21.15–03.00	49, 31, 25
	04.00–06.15	49
Central America and West Indies:	20.00–23.15	31, 25
	23.45–03.00	49, 31
South America:	20.00–03.00	49, 31, 25, 19

Interval-Signal for General Overseas Service: Bow Bells.

SPECIAL PROGRAM SERVICES:

Pacific Service: In English. Directed to Australia and New Zealand.
06.00–07.00 on 41, 31, 25 m.b. Special Program.
08.00–08.45 in winter months.

Far Eastern Service: In English, French and Far-Eastern

languages. Directed to China, Japan and South and South-East Asia, and relayed by the British Far-Eastern Broadcasting Service.
09.15–09.30 on 19, 16 m.b.
10.30–13.45 on 16, 13 m.b.
14.15–14.30 on 19, 16 m.b.
11.00–11.30 and 12.00–12.45 on 25 m.b. (for China and Japan only). 09.15 English, 10.30 Indonesian, 11.00 Japanese, 11.30 Vietnamese, 11.45 French, 12.00 Kuoyu, 12.30 Cantonese, 12.45 Malay, 13.00 English, 13.10 Home News, 13.15 Thai, 14.15 Burmese.
Eastern Services:
In Eastern Languages. Directed to India, Pakistan, Ceylon and South-East Asia, and relayed by the British Far-Eastern Broadcasting Service.
13.45–14.15 (Tues. Wed.) 13.15–15.30 in 25, 19, 16 m.b.
In Arabic. Directed to Middle East and North Africa. 03.45–04.15, 04.45–05.15.
In Hebrew. Directed to Israel. 10.00–10.15, 15.45–19.00.
In Persian. Directed to Persia. 19.30–20.30 in 49, 41, 31, 25, 19 m.b.
Arabic: 03.45–04.15, 04.45–05.15, 17.00–19.00, 19.30–20.30. Hebrew: 16.30–17.00. Persian: 10.00–10.15, 15.45–16.30.
Colonial Services: In Maltese for Malta. 17.30–17.45 (Mo. Tues. Thurs. Sat.) in 19 m.b.
In English for East Africa 18.15–18.30 (Sun. and Fri. only) in 25 m.b. – For West Africa 20.15–21.00 in 19 m.b. – For West Indies 23.15–23.45 in 31, 25 m.b. – For the Falkland Islands 16.30–17.00 (Sun. only) in 13 m.b.
Special Programmes for Central and South Africa: In English 16.15–16.30 (Sun. Thurs. Fri.). In Afrikaans 16.30–16.45 daily on 16 m.b.
Latin-American Service in Portuguese: Directed to Central America, South Caribbean Area, South America 23.00–00.15 in 49, 31, 25 m.b.
Latin-American Service in Spanish: Directed to Central America, South Caribbean Area, S. America and Mexico. 23.00–00.30, 01.00–02.30 in 49, 31, 25 m.b.
North-American Service in English and French: Directed to Canada, U.S.A. and Mexico. 15.00–17.15 in 19 m.b., 18.00–20.45 (Mo. to Fri. incl.) in 25, 19 m.b., 20.45–22.00 in 31, 25 m.b. Special Programmes.
Interval-Signal for North American Service: The notes "B.B.C." played on Novachord . . .
Announcements: *Home Programme:* "This is the B.B.C. Home Service, Light Programme or Third Programme". *European Service:* "This is London calling in the European Service of the B.B.C.". In French: "Ici Londres". In German: "Hier ist England". In Dutch: "Hier is London". In Italian: "La Voce di Londra".
B.B.C. Overseas Service: "This is the General Overseas Service of the B.B.C. . . . . .".

Interval-Signal: Shown for each of the Services. General Overseas Service gives Big Ben full strike 14.00 GMT Chimes every quarter-hour when there is a program break.

BRITISH FAR EASTERN BROADCASTINGSERVICE
Address: British Far Eastern Broadcasting Service. P.O. Box 434, Singapore.
Stations: Singapore 7,5/100 kW.
6110 kc/s 49.10 m – 7120 kc/s 42.13 m – 9690 kc/s 30.96 m –11820 kc/s 25.38 m – 11955 kc/s 25.09 m – 15435 kc/s 19.44 m – 17755 kc/s 16.90 m – 21720 kc/s 13.81 m.
Daily Programme: 09.00–16.30 (Sun. 16.45). Including relays of General Overseas Service, Eastern and Far Eastern Services and London Calling Asia. Directed at suitable times to Far East, Indonesia, Burma, Thailand and India, Pakistan and Ceylon in 49, 41, 31, 25, 19 and 13 m.b.
Announcement: In English: "This is the British Far Eastern Broadcasting Service".
"London Calling Asia" in English. Directed to India, Pakistan, Ceylon and S. East Asia and relayed by the British Far Eastern Broadcasting Service. 13.15–14.00 in 25 16 m.b.

MESSAGE TO LISTENERS: The B.B.C. London welcomes letters from its listeners throughout the world.

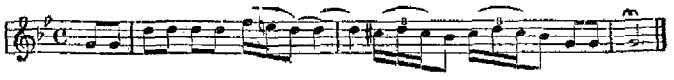
GREECE

Number of Listeners: 270.000.
NATIONAL BROADCASTING INSTITUTE
Address: 14 Mourouzis, Athens. – *Cable:* Radiostathens.
Leading Personalities: Chairman of Administration Board Mr. M. Stassinopoulos. General Director Ch. Cigantes. Broadcasting and Programme Director Mr. D. Pournaras. Technical Adviser Mr. G. Mezevyris. Technical Director Mr. B. Aslanides. Director of Financial Services Mr. P. Komninos. Director of Personnel Branch Mr. K. Asimakis.
HOME SERVICE:

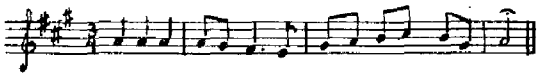
Athens I	728 kc/s	412.0 m	50	kW	1st Progr.
Athens II	665 –	451 –	15	–	2nd Progr.
Salonika	1043 –	287.6 –	2	–	Reg. Relay.
Volos	1484 –	202.2 –	0.25	–	Reg. Relay.
Patras	1511 –	198.2 –	0.3	–	Reg. Relay.
Chania	1511 –	198 –	0.05	–	Reg. Relay.

HOME SERVICE *in Greek:*
1' Progr. on 412 m: W: 04.00(S. 03.30)–07.25, 08.30–12.35, 14.00–21.00(S. 21.30). Sun. 04.00(S. 03.30)–21.00 (21.30).
News: 04.30, 10.00(Sun. 10.45), 11.45(W), 17.15(W), 19.15, 20.50(S. 21.20). – *Progr. from UNO:* 08.20 Tu.-Fr. – *Relay from Paris:* 10.30(W). – *Relay from B.B.C.:* 11.15 (W). – *Relay from VOA:* 16.15, 19.30. – *News in English:* D: 04.05, 11.55. – *Warnings to Shipping:* 07.15, 12.30(W).
2' Progr. on 451.2 m: 09.30–12.30(Sun. 04.30–12.00), 15.00–20.00. – *News:* 18.00
On 287.6 m: W: 04.00–06.30(Sun. 07.00), 09.00–12.00, 14.00–21.00. S.: 03.30–06.30(Sun. 07.00), 09.00–12.00, 14.30–21.30.
On 202.2 m: 04.00–05.30(Sun. 07.00), 09.30–12.00, 16.00–21.00.
On 198.2 m: 09.30–11.30, 16.30–20.30.
Announcements: "Radhiophonikos Stathmos...(Athinon), Thessalonikis, Volou)" or "Edho... (Athinai, Thessaloniki, Volos" e.g.: "Radio Station...(Athens, Salonika, Volos)" or "This is...(Athens, Salonika, Volos)". 1st Progr.: "Ethnikon Progr. ". 2nd Progr.: "Dhefteron Progr.".
FOREIGN SERVICE:
6177 kc/s 48.56 m – 7300 kc/s 41.09 m – 9607 kc/s 31.23 m – 11718 kc/s 25.60 m 7.5 kW – 15345 kc/s 19.53 m.
FOREIGN BROADCASTS:
On 7300 kc/s: To Europe and the Near East:
03.30–12.35. Relay 412 m.
14.30–18.00: 14.30: Warnings to Shipping and News at Dictation speed – 15.50: Greek Press Review – 16.00: Various Greek Progr. – 16.30: Turkish and Records – 17.00: Rumanian – 17.15: Yougoslav – 17.30: Albanian –

17.45: Bulgarian. – 19.30–21.00 Greek Progr.
On 9607 **kc/s:** 00.00–01.00: To North America – News in *English:* 00.35(Mo. no news) – 00.00: For the Greeks abroad – 18.30–19.00: To Western Europe in *English* and *French.*
On 11718 **kc/s:** 13.15 in Russian.
On 15345 **kc/s:** 08.30–12.35. Relay 412 m exc. W.: 10.30–10.45: Greek records – 11.15–11.30: Recorded music – 11.30–12.00: To Cyprus and Egypt.
Announcements: *English:* "Here Radio Athens. The Voice of Greece". *Rumanian:* "Aici Radio Atena", "Vocea Greciei". *Yougoslav:* "Ovde Radio Atina, Slusajte Glas Groke na talasnoj duzini 41.09". *Turkish:* "Burasi Atina Radiyosu. – Yunanistanin sedasi".
Interval-Signals: *Medium-waves:* "Tsopanakos imouna", a folk song played on native flute and sheep bells:



Short Wave: "Kato stou valtou ta choria" – a folk dance played on clarinet accompanied on piano:



Verification by QSL-card or letter. Return postage not required.

GREEK AMERICAN RADIO STATION
Address: Voice of America, c/o American Consulate, Salonika, or Voice of America New York 19, N.Y., USA.
Station: 791 kc/s 379.2 m 50 kW 08.30–12.30, 14.30–06.00.
08.30–12.30 Greek (Radio Athens) 412 m.
14.30–17.00 Greek (Radio Athens 287 m).

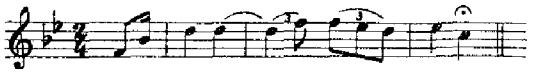
17.00 Bulgarian	17.15 Albanian
17.30 Rumanian	17.45 Serbo-Croat
18.00 Turkish	18.30 Slovene
18.45 Albanian	19.00 Hungarian
19.30 Greek	19.45 Albanian
20.00 Bulgarian	20.30 Rumanian
21.00 Hungarian	21.15 English
21.30 Serbo-Croat	22.00 English
22.15 Hungarian	22.45 Serbo-Croat
23.15 Rumanian	23.45 Bulgarian
00.15 Hungarian	00.45 Ukrainian
01.15 Russian	01.45 Rumanian
02.15 Bulgarian	02.45 Hungarian
03.15 Russian	03.45 Rumanian
04.15 Ukrainian	04.45 Albanian
05.00 Serbo-Croat	05.15 Turkish
05.30 Bulgarian	

Verification by QSL-card.

COURIER, Island of Rhodes Seaborne Relay Base for Voice of America. See USA.

FORCES BROADCASTING STATIONS

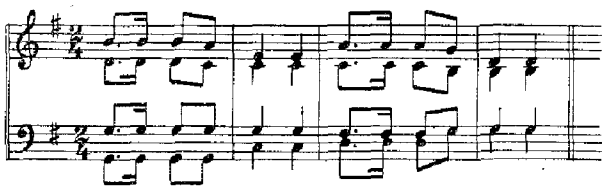
ATHENS
Address: Central Forces Radio Station, 3-Zakolostas Street, Athens (K).
Stations: 1300 kc/s 230.7 m 1 kW
3710 – 80.36 – 5 –
6330 – 47.30 – 1 –
Daily Programmes: W: 04.00–05.30(Sun. 07.00), 09.00–12.00, 14.00–20.30. S: 03.30–06.30(Sun. 07.00), 09.00–12.00, 14.30–21.00. – *News:* 11.00, 18.00.
Announcement: "Edho Athine; Kendrikos Radiophonikos Stathmos Enoplon Dhynameon Helladhos" (Here is Athens; the Central Radio Station of the Greek Armed Forces).
Interval-Signal: The main motif from the march "Greece never dies" played very slowly on trumpets:



CAVALLA 7580 kc/s 39.58 m 0.3 kW.
Daily Programmes: 04.00–06.00, 09.30–12.00, 16.00–19.00.
JANNINA 6200 kc/s 48.39 m 0.3 kW.
Daily Programmes: W: 04.00–06.00, 09.00(Sun. 08.00)–11.30, 15.30–19.30. S: 03.30–05.30, 09.00(Sun. 08.00)–11.30, 16.00–20.00.
Interval-Signal: "Dance of Zalongou" played by wind instrument ensemble.
KOZANI 7950 kc/s 37.74 m 0.5 kW.
Daily Programmes: 04.00–05.30, 09.00–12.00, 15.00–20.00.
LARISSA 6752 kc/s 44.43 m 0.5 kW
Daily Programmes: W: 04.00–06.00, 09.00(Sun. 08.00)–12.00, 15.00–19.30. S: 03.30–05.30, 09.00(Sun. 08.00)–12.00, 15.30–20.00.
MAKRONISSOS 7100 kc/s 42.25 m 0.08 kW.
Daily Programmes: 04.00(Sun. 03.30)–06.00, 09.30–12.00, 15.00–19.00.
SALONIKA 1006 kc/s 298.2 m 1 kW, 7000 kc/s 42.86 m 0.5 kW.
Daily Programmes: W: 04.00–06.00, 09.00–11.30, 14.00–20.00. S: 03.30–05.30, 09.00–11.30, 15.00–20.30.
TRIPOLIS 6270 kc/s 47.85 m 0.5 kW.
Daily Programmes: 04.30–05.30, 09.00–11.00, 16.00–19.00.
MEGARA 1186 kc/s 253 m 0.06 kW. 17.00–19.00.
MYTILINI 6240 – 48.05 – 0.1 – 16.00–19.30.

GREENLAND

GODTHAAB RADIO
Number of Listeners: ca. 2000.
Address: Grønlands Radiofoni, Godthaab.
Leading Personalities: Danish Programmes: Editor Helge Christensen. Greenlandic Programmes: Mr. Uvdlorianguah Kristiansen. Musical Programmes: cand. jur. Claus Bornemann.
Stations: OXI.
633 kc/s 475 m, 1 kW – 5964 kc/s 50.03 m 0.3 kW.
Daily Programmes from 21.30–23.45. Sun. evening music. Weather report, News and ship's positions in Greenlandic and Danish. Entertainment and Music.
Announcement: "Grønlands Radiofoni, Godthaab, Godaften" in Danish and Greenlandic. –
Interval-Signal: Greenlandic melody: "Sonja KaligpoK."



Godhavn and Frederikshaab. Relay of Godthaab. Godhavn on 1500 kc/s and Frederikshaab on 3200 kc/s.

ANGMAGSSALIK RADIO
Address: Angmagssalik Radiostation, Angmagssalik.

Stations: OZL 0.5 kW.
150 kc/s 2000 m, 1500 kc/s 200 m, 7570 kc/s 39.63 m. 12300 kc/s 24.39, 15403 kc/s 19.48 m
Daily Programmes: W: 14.00–14.45 and during winter 21.00–22.30 Mo., Wedn., Fri.
News, weather reports and ship's positions in Danish and Greenlandic – Records.

Announcement in Danish: "God Dag. Her er Angmagssalik med de danske Nyheder".

VERIFICATION by QSL-card. Reports should be sent to The Greenland Department, Vangehusvej 12, Copenhagen Ø, Denmark.

HOLLAND

Number of Listeners: 2.173.853.

HOME SERVICE

Address: Stichting Nederlandsche Radio Unie, The Dutch Radio Union, Postbox 150, Hilversum. *Cable:* Radiounie.

The Dutch Programmes for Home are provided by the following broadcasting societies:

A. V. R. O.: Algemeene Vereeniging Radio Omroep, Headoffice: Keizersgracht 107, Amsterdam. Studio: s' Gravelandseweg 52, Hilversum.

K. R. O.: Katoliek Radio Omroep, Emmastraat 52, Hilversum.

N. C. R. V.: Nederlandsche Christelijke Radio Vereeniging, Schuttersweg 8-10, Hilversum.

V.A.R.A.: Vereeniging van Arbeiders Radio Amateurs, Heuvellaan 35, Hilversum.

V. P. R. O.: Vrijzinnig Protestantsche Radio Omroep, s' Gravelandseweg 65, Hilversum.

Central Address for the four principal broadcasting societies: Centraal Bureau voor den Omroep in Nederland, Postbox 52, Hilversum.

Leading Personalities of De Nederlandsche Radio Unie: Chairman Prof. Dr. J. B. Kors O. P., Secretary Mr. J. W. Lebon, Treasurer Mr. G. de Clercq, Members Mr. J. B. Broeksz, Miss Dr. N. A. Bruining, Mr. A. B. Roosjen, LLD, Mr. A. H. van de Veen, LLD., Mr. P. A. M. Speet, Mr. W. Vogt and Mr. J. Corver.

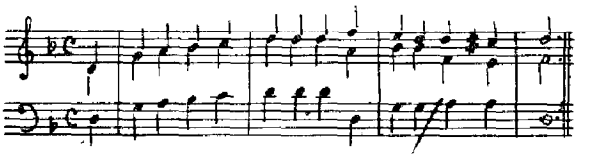
Stations: *Long and Medium Waves.*

	kc/s	m	kW	
Lopik I	746	402	120	Hilversum I
Lopik II	1007	298	120	Hilversum II
Hoogezand	1594	188	2.5*	
Hengelo	1594	188	2.5*	
Hulzberg	1594	188	2.5	

*) These regional transmitters give own programmes 17.00–18.00. From 16.00–17.00, 18.00–23.00 they relay the Hilversum II programme.
FM and Television see page 00.

DAILY PROGRAMMES:
Hilversum I: 06.00–23.00.
Hilversum II: 06.00–23.00.
News 1st and 3rd quarter.
Hilversum I: 06.00 (W.), 07.00, 12.00, 17.00 (W.), 17.15 (Sun.), 19.00, 22.00.
Hilversum II: 06.00 (W.), 07.00, 08.30 (Sun.), 12.00, 18.00 (W.), 18.30 (Sun.), 22.00.

News in 2nd and 4th quarter:
Hilversum I: As Hilversum II above.
Hilversum II: As. Hilversum I above.
Interval Signal: A tune from "Valerius Gedenckklanck": "O Nederland, let op u saeck, de tigt en stont is daer".



Verification by QSL-card.
RADIO NEDERLAND WERELDOMROEP
Radio Nederland publishes monthly program bulletins in English, Spanish and Arabic, twice a year a Dutch programme schedule and once a year an Indonesian one, which will be sent to listeners on request and free of charge.
Address: Radio Nederland, P. O. Box 137, Hilversum, The Netherlands. *Cable:* "Mundivox". *Main Office:* 's/ Gravelandseweg 76, Hilversum.
Leading Personalities: Director General, Mr. H. J. van den Broek. Director of Programmes, Mr. G. Sluizer. Director of Administration, Mr. C. J. Strop. Head of Central Program Services, Mr. J. W. Acda. Head of Dutch Service, Mr. H. J. P. J. van Eijndhoven. Head of News Service, Dr. J. W. Niessink. Head of International Service, Mr. F. Thors. Producer "Happy Station", Mr. Edw. Startz. Head of Technical Services, Mr. E. van Eldik.
Stations: Huizen I 35 kW, Huizen II 5 kW
Kootwijk 10 kW, Lopik IV 40 kW.

6025 kc/s	49.79 m	15220 kc/s	19.71 m
9590 –	31.28 –	17775 –	16.88 –
11730 –	25.57 –	21480 –	13.96 –

The use of the transmitters for the various wavelengths will be adapted to the needs of the different transmissions.

DAILY PROGRAMMES:
SA=South Africa. ME=Middle East. NA=North Africa. FE=Far East. E=Europe. A=Africa. Au=Australia. NZ=New Zealand. NG=New Guinea. EI=East Indonesia. WI=Western Indonesia. Su=Surinam. NAn=Netherlands Antilles. PA=Pacific Area. SAs=South Asia. US=USA. C=Canada. EE=Eastern Europe. SAm=South America. CA=Central America. In=Indonesia. Sp=Spain. NAm=North America.
Afrikaans:
W: 18.00–18.30 (SA) 11730, 9590, 6025 kc/s.
Arabic:
W: 16.45–17.25 (ME) 11730, 9590 kc/s.
W: 20.00–20.45 (NA) 9590, 6025 kc/s.
Dutch:
Sun.: 09.00–10.25 (FE, E) 21480, 15220, 6025 (A), 17775
W: 09.00–09.45 (Au, NZ) 21480, 17775, 15220, 6025 kc/s.
D: 12.30–14.00 (Au, NG, EI) 21480, 17775, 6025 kc/s.
D: 14.00–15.30 (WI) 21480, 15220, 11730, 6025 kc/s.
D: 18.30 (Sun. 18.00)–20.00 (Sun. 21.00) (E, A) 11730, 9590, 6025 kc/s.
D: 23.30–01.30(Sun. 02.00) (Su, NAn) 9590, 6025 kc/s.
Highlights of Dutch Programmes: Prot. or Cath. Service (Sun.), Concertgebouw Orchestra (Sun.), Netherlands Chronicle (W), Sports (Mon.), Press Review (Tues. Thurs. Fri.), Opera and Operette Music (Tues.), Cabaret (Sat.), Program Preview (Sat.), Letterbox (Tues. fortnightly),

Radio Athens: Mrs. Danai, one of the best singers in the programmes from R. Athens.

Radio Netherland – "Happy Station: Mr. Edward Startz who presents the programmer of "Happy Station". March 30th is the 25th birthday of his popular programme.

UNO Chronicle (Tues. fortnightly), Round Table Parliament (Wed. fortnightly), Favourites of the Month (Fri. monthly). Quiz Progr. (Sat. fortnightly).

English:
W. 09.45–10.25 (Au, NZ, FE) 21480, 17775, 15220, 6025.
W. 16.00–16.40 (SA) 9590, (E, A) 11730, 6025 kc/s.
W. 21.30–22.10 (E, NAm) 9590, 6025 kc/s.
W. 02.30–03.10 (US, C) 9590, 6025 kc/s.
Highlights of English Programmes: Actuality (Mo. Wed, Fri.), Music Gazette (Wed. monthly), Window on Holland (Sat.), Program Parade (Sat.), By Request (Tues.), Made in Holland (Fri. fortnightly), Letterbox (Thurs. fortnightly), The Dutch Concert Hall (Wed.), Metropole Orch. (Mo. monthly), What's in the paper (Wed. fortnightly), Disc News (Mo. monthly), The Cultural Scene (Fri. monthly).

"Happy Station":
Sun. 10.30–12.00 (FE, PA, E) 21480, 17775, 15220, 6025.
Sun. 16.00–17.30 (ME, E) 15220, 11730, 6025 kc/s.
Sun. 21.30–23.00 (SAm, CA)9590, 6025 kc/s.
Sun. 02.30–04.00 (Same night) (US, C) 9590, 6025 kc/s.
These programs, produced and presented by Edw. Startz, are of 90 minutes duration consisting of: Musical entertainment linked by polyglot announcements. They are usually supplemented by features of universal interest. Special progr. in Spanish and Portuguese for the Latin countries. "Mailbag" answering listeners' mail by calls to all parts of the globe. From its inception in 1928 – with exc. of the war years – 1953 marks the 25th year of the "Happy Station" round the world broadcasting.

Indonesian: Daily 13.00–14.00 (In) 15220 kc/s.

Spanish: W: 22.15–22.55 (SAm, Sp) 9590, 6025 kc/s.
W: 01.30–02.10 (CA) 9590, 6025 kc/s.
Highlights of Spanish Programmes: En la sala de conciertos holandesa (Wed.), Musica folklórica holandesa (Tues. fortnightly), Orquesta Metropole (Mo. monthly), Gaceta musical (Wed. monthly), "Al son que Vd. prefiera" (Tues.) Actualidades (weekly on Mo.; fortnightly on Wed. and Fri.), Ventana de Holanda (Sat.), Holanda al día (Mo. fortn.), Deportes y Pasatiempos (Tues, fortnightly), La Prensa ante el micrófono (Wed. fortnightly), Cartas por Radio (Thurs. fortnightly), Catalejo radiofónico (Thurs. fortnightly), Fábricas de Holanda (Fri. fortnightly), En el agora de Erasmo (Fri.monthly), Revista de Programas(Sat.)

News: At the beginning of *each* transmission. News summary at the end of the English and Spanish transmissions.

Announcement: *Dutch:* "Hier Radio Nederland in Hilversum". – *English:* "This is the International Service of Radio Nederland in Hilversum, Holland", – *Indonesian:* "Disini Hilversum, Siaran Indonesia Radio Nederland". – *Spanish:* "Aquí Radio Nederland de Hilversum, Holanda". – *Arabic:* "Huna Hilversum – al-idha'atu'l hulandiya bi'l-lughati'l-Arabiya-".

General Interval-Signal: Old Dutch folk-song called: "Merk toch hoe sterck" played on Carillon or Celesta on all frequencies.

Verification by letter or QSL-card.

HUNGARY

Address: Magyar Ràdióhivatal, VIII. Bródy Sändor-u 5. Budapest. *Cable:* Magyaradio.

HOME SERVICE
Radio Kossuth 539 kc/s 556.5 m – Radio Petöfi 1187 kc/s 252.7 m – 135 kW.

539 kc/s: 04.00–07.30, 10.30–23.15.
News in Hungarian: W: 04.30, 05.45, 11.00, 16.00, 19.00, 21.00, 23.00. Sun.: 07.00, 11.00, 19.00, 21.00, 23.00.
News in foreign languages: German(Austria) 17.40, Serbian 14.15, 18.30. English 23.10–23.40. Sun. 23.00–23.10

1187 kc/s: 05.00–10.30, 14.00–23.30
News in Hungarian: W: 09.00. Sun.: 16.30.
News in foreign languages: French 20.00, 23.00. Slovene 06.15, 17.25. German 20.30–21.00.

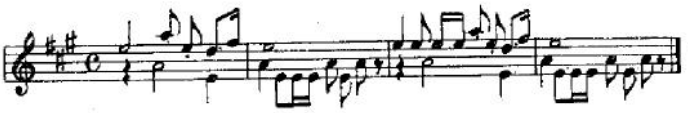
FOREIGN SERVICE: 23.00–05.00, 16.00–23.00 100 kW.
15500 kc/s 19.35 m – 11910 kc/s 30.51 m.
9833 kc/s 30.51 m – 7220 kc/s 41.55 m.

European Service
Greek: 11.45–12.00, 17.00–17.15, 18.30–19.00.
Russian: 13.30–13.45, 17.20–17.40.
Italian: 16.00–16.40, Spanish: 19.00–19.25.
Finnish: 16.40–17.00. French: 20.00–20.30.*
Turkish: 17.40–18.00. English: 21.00–21.30.
German: 18.00–18.30.
22.00–22.15 Mo. Music, Tues. English, Wed. French, Thurs. English, Fri. French, Sat. Music, Sun. Music.

For U.S.A. and Canada:
English 22.15–22.45, 00.30–01.00, 04.00–04.30. *Spanish:* 22.50–23.15. *Hungarian:* 01.00–01.30, 04.30–05.00.

Announcements:
English: "This is Budapest short wave Radio broadcasting Station. The Hungarian People's Republic speaks to you". – *Italian:* "Qui parla Budapest". – *French:* "Ici Radio Budapest". – *For the U.S.A. and Canada:* "This is Radio Budapest, Hungary". – *Greek:* "Edo Radiofonikos stadios Budapestes".

Interval-Signal:



Verification by QSL-card or letter.

Hungary Greece Radio Athens Mrs. Danai Danai Radio Netherland Edward Startz Happy Station

ICELAND

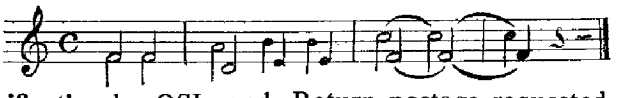
Number of Listeners: 35.882. **Language:** Icelandic.
Address: Ríkisútvarpid, Reykjavík. *Cable:* "Utvarp".
Leading Personalities: Director General Mr. Jonas Thorbergsson. Director of Programmes: Mr. G. Hjørvar.

HOME SERVICE:

Reykjavik	TFU	182	kc/s	1648	m	100	kW
Eidar	TFE	611	–	491	–	5	–
Reykjavik	TFJ	12175	–	24.64	–	7	– *

*) Relay TFU.

09.30–10.00, 13.10–14.15, 16.30–17.30, 19.30–24.00
News: 09.30, 13.25, 16.55, 19.00, 21.00.
On short wave to Icelanders abroad Sun: 16.15–16.30
Announcement: Ut varp, Reykjavik""
Interval Signal: Opening Signal for short wave transm.



Verification by QSL-card. Return postage requested.

ITALY

Address: Radio Italiana, Via Botteghe Oscure 54, Roma. – Radio Italiana, Via Arsenale 21, Torino. *Cable:* Raidirto.
Leading Personalities: Director General Mr. Salvino Sernesi. Vice Director General Mr. Marcello Bernardi. Secretary General and Director of Foreign Relations Department Mr. Gian Franco Zaffrani. Director of Programs Mr. Giulio Razzi. Director of Radio News Mr. Antonio Piccone Stella. Chief-Engineer Mr. Gino Castelnuovo.

HOME SERVICE:

National Programme:

	kc/s	m	kW		kc/s	m	kW
Caltanissetta	566	530.0	10	Bologna I	1331	225.4	25
Bolzano I	656	457.3	20	Catania I	1331	225.4	0.25
Firenze I	656	457.3	80	Genova I	1331	225.4	10
Napoli I	656	457.3	80	Messina	1331	225.4	5
Torino I	656	457.3	35	Palermo I	1331	225.4	0.25
Venezia I	656	457.3	10	Pescara I	1331	225.4	25
Milano I	899	333.7	150	Roma I	1331	225.4	80
Cagliari I	1061	282.8	5	Verona I	1484	202.2	1
Bari I	1331	225.4	20				

Ancona I, Brendisi, Catanzaro, Cosenza, Lecce, Perugia, Taranto 1578 kc/s 190.1 m 0.04 kW.
Daily Programmes: *W.:* 05.30–08.00, 10.00–13.30, 15.00–23.10. *Sun.:* 06.15–10.00, 11.00–23.10.

Second Programme:

	kc/s	m	kW		kc/s	m	kW
Roma II	845	355.0	150	Torino II	1448	207.2	5
Genova II	1034	290.1	2	Firenze II	1448	207.2	5
Milano II	1034	290.1	8	Palermo II	1448	207.2	10
Napoli II	1034	290.1	0.5	Sanremo	1448	207.2	5
Venezia II	1034	290.1	1	Torino II	1448	207.2	20
Bari II	1115	269.1	40	Bolzano II	1484	202.2	2
Bologna II	1115	269.1	50	Cagliari II	1484	202.2	0.25
Pisa	1115	269.1	10	La Spezia	1484	202.2	0.25
Ancona II	1448	207.2	5	Udine	1484	202.2	1
Catania II	1448	207.2	5	*Short Wave:*			
Palermo II	1448	207.2	10	Palermo o.c.	6260	47.92	5

Allessandria, Aquila, Arezzo, Ascoli P., Biella, Bressanone, Cuneo, Foggia, Merano, Pescara II, Potenza, Reggio C, Salerno, Savona, Siena, Trento, Verona II (0.1 kW), Vicenza: 1578 kc/s 190.1 m 0.04 kW.
Daily Programmes: *W.:* 08.00–10.00, 12.00–23.00 (Sat. 24.00). *Sun.:* 07.30–11.00, 12.00–23.00.

Third Programme:

	kc/s	m	kW		kc/s	m	kW
Bari III	1367	219.5	1	Napoli III	1367	219.5	1
Bologna III	1367	219.5	1	Palermo III	1367	219.5	0.25
Catania III	1367	219.5	0.25	Roma III	1367	219.5	5
Firenze III	1367	219.5	1	Torino III	1367	219.5	5
Genova III	1367	219.5	0.25	Venezia III	1367	219.5	5
Milano III	1367	219.5	5	Bolzano III	1367	219.5	0.5
Short Waves:							
Roma o.c.	3930	76.34	25	Milano o.c.	6240	48.08	5

Daily Programmes: 15.00–17.35 (Sun., Sat. only). 19.30–22.30 (daily). From 4' January 15.00–17.35, 18.30–22.30.
Night Programme from Italy: W 23.05–05.30, Sun. 00.05–05.30 *on 845 kc/s.*
FM-stations see: *FM-stations of the world.*

Autonome:

Trieste 1142 kc/s 262.7 m 10 kW
Announcement: "RAI, Radio Italiana."

FOREIGN SERVICE FROM RADIO ROME

kc/s	m	kW	kc/s	m	kW	kc/s	m	kW
6010	49.92	60	9780	30.67	60	15400	19.48	60
7110	42.19	60	11810	25.40	50	17770	16.88	100
9570	31.35	60	11900	25.21	60	17800	16.85	60
9630	31.15	100	15120	19.84	50	21560	13.91	100
9710	30.90	60	15320	19.58	100			

European Service:

11.15–11.35: *Rumanian* on 15320 kc/s.
11.35–11.55: *Lithuanian* on 15320 kc/s.
11.55–12.15: *German* on 15320 kc/s.
13.10–13.30: *Czeck* on 9630 kc/s.
13.30–13.50: *Polish* on 9630 kc/s.
13.50–14.10: *Hungarian* on 9630 kc/s.
13.10–13.30: *Albanian* on 15120, 11900, 9570 kc/s.
13.30–13.50: *Slovak* on 15120, 11900, 9570 kc/s.
13.50–14.10: *Russian* on 15120, 11900, 9570 kc/s.
17.20–17.40: *Danish* on 11900, 9570, 6010 kc/s.
17.40–18.00: *Serbian* on 11900, 9570, 6010 kc/s.
18.00–18.20: *Nato–Unesco* on 11900, 9570, 6010 kc/s.
18.20–18.40: *Swedish* on 11900, 9570, 6010 kc/s.
18.40–19.20: *French* on 11900, 9570, 6010 kc/s.
19.20–20.00: *German* on 11900, 9570, 6010 kc/s.
20.00–20.20: *Polish* on 11900, 9570, 6010 kc/s.
20.20–20.40: *Albanian* on 11900, 9570, 6010 kc/s.
21.00–21.20: *Hungarian* on 11900, 9570, 6010 kc/s.
21.20–21.40: *German to Austria* on 11900, 9570, 6010 kc/s.
21.40–22.10: *Russian* on 11900, 9570, 6010 kc/s.
17.30–18.05: *English* on 9630, 7110 kc/s.
18.05–18.25: *Ukrainian* on 9630, 7110 kc/s.
19.15–19.45: *Turkish* on 9630, 7110 kc/s.
19.45–20.15: *Greek* on 9630, 7110 kc/s.
20.15–20.35: *Rumanian* on 9630, 7110 kc/s.
20.35–20.55: *Bulgarian* on 9630, 7110 kc/s.
20.55–21.15: *Czech* on 9630, 7110 kc/s.
21.20–21.45: *Portuguese* on 9630, 7110 kc/s.
21.45–22.10: *Spanish* on 9630, 7110 kc/s.
03.15–03.45: *Russian* on 11900, 9710, 9570, 7110, 6010

Overseas Service:

07.50–08.05: *Italian* on 21560, 17800, 15400, 11900, 9570 kc/s.
08.05–08.55: *Italian* (Dictation – News) on 21560, 17800, 15400, 11900, 9570 kc/s.
09.00–09.40: *English to Pacific* on 21560, 17800, 15400
09.00–09.40: *French, English to Africa* on 17770, 15120
09.45–10.25: *Arabic* on 21560, 17770 kc/s.

09.45–12.15: *To Far East* on 17800, 15400, 11900 kc/s.
10.30–11.10: *Italian to Pacific* on 21560, 17770 kc/s.
[1]) 14.20–14.45: *To India* on 17800, 15320, 11900 kc/s.
14.20–14.45: *To Pakistan* on 17770, 15120 kc/s.
[2]) 14.50–15.40: *Italian* (Dictation – News) on 21560, 14800, 15320, 11900, 9570 kc/s.
15.45–16.10: *To S. Africa* on 21560, 17800, 15120 kc/s.
[3]) 16.00–17.25: *To N. Africa, Near East* on 9780, 9630 kc/s.
16.15–16.45: *To Africa* on 15400, 11900, 9570 kc/s.
16.50–17.15: *To Iran, Afghanistan* on 15400, 11900, 9570 kc/s.
18.30–19.00: *Arabic* on 11810, 9630 kc/s.
19.00–19.10: *To Africa, Central America* on 11810, 9630 kc/s.
22.15–22.55: *Portuguese to Brasil* on 11900, 9780 kc/s.
22.15–22.55: *Spanish to S. America* on 11810, 9570, 6010 kc/s.
23.00–00.15: *Italian to Latin America* on 11900, 11810, 9780, 9570, 6010 kc/s.
00.20–01.00: *English to N. America* on 11900, 9570 kc/s.
01.00–01.25: *French to Canada* on 11900, 9570 kc/s.
00.20–01.25: *Spanish to Central America* on 11810, 9710, 6010 kc/s.
01.30–02.45: *to N. America* on 11900, 11810, 9710, 9570, 6010 kc/s.
02.45–03.00: *News in English to N. O. America* on 11900, 11810, 9710, 9570, 6010 kc/s.

[1]) On sundays evt sport-news to Central America on 21560, 17800 kc/s and to India on 11900 kc/s.
[2]) On sundays evt sport-news to Central America on 21560, 17800 kc/s.
[3]) On sundays broadcast to Central America on 9780, 17770 kc/s.

Announcement: In *Italian:* "Qui La Radio Italiana che transmette sulle stazioni ad onde corte di metri . . . . . .". Repeated in the various languages. – In *English:* "Here Radio Italiana, Broadcasting on short waves, metres . . .". **Interval-Signal:** Bird chirping. **Verification** by QSL-card.

LUXEMBOURG

Address: Radio Luxembourg, Compagnie Luxembourgeoise de Radiodiffusion, Villa Louvigny, Luxembourg. *Cable:* Radio Luxembourg.

Leading Personalities: President, Mr. Emile Reuter. Vice President Delegate, Mr. Jacques Lacour-Gayet. Director General, Mr. René Louis Peulvey. Chief Engineer, Mr. Mathias Felten. Director of Programs, Mr. André Dubois la Chartre. Director of Music, Mr. Henri Pensis.

Stations: Radio-Luxembourg I and II.

I. 236 kc/s 1271 m II. 1439 kc/s 208.4 m 150 kW
6090 – 49.26 – 15350 – 19.54 – 5 –

HOME SERVICE:

236 kc/s: *In French:* Sun. 06.00–23.00. *In French, German:* Mo. to Fri. 05.40–14.30, 15.45–23.00. Sat. 05.40–23.00. *News:* (French) 05.40(W), 06.00(S), 06.45(W), 07.00(S), 08.00, 09,00, 10.00(W), 11.00(W), 12.00, 13.00, 14.00(W), 17.00(W), 18.15, 19.00, 20.00, 21.00(W), 22.00(W).

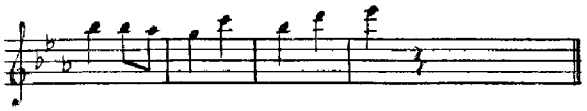
1439 kc/s: *Flemish* D. 05.30 (Sun. 06.00)–10.00, 11.00–13.01. *Luxembourgian:* D. 17.00–18.00. *English:* D. 18.00–23.00 (Sun. 23.30). *News in Flemish:* Sun. 06.45, 08.00, 09.00, 11.50, 13.00.

15350 kc/s: *Flemish:* D. 11.00–13.00. *News:* D. 11.50, 13.00.

6090 kc/s: *English:* 18.00–23.00. *News in Luxembourgian:* D. 17.45.

Announcement: "Ici Radio Luxembourg"

Interval-Signal: Melody played on piano: A Luxembourgian popular song.



Verification by QSL-letter. Return postage not required.

MONACO (Commercial).

Address: Radio Monte Carlo, 16 Boulevard Princesse Charlotte, Monte Carlo. – *Cable:* Radiocarlo.

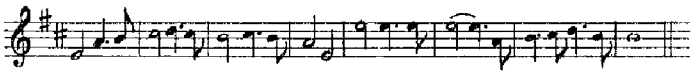
Leading Personalities: Chairman of Board of Directors Mr. J. Reymond. Director General, Mr. Robert Schick. Head of Administration Mr. de la Panouse. Director of Programs Mr. Florent Fels. Chief Engineer Mr. Fromaget. Commercial Director, Mr. R. H. Dogor. Chief Editor, Mr. M. Mussier.

Stations: Radio Monte Carlo.
1466 kc/s 205 m 120 kW – 9785 kc/s 30.65 m 30 kW
6035 – 49.71 m 30 kW.

Daily Programmes in *French: Weekdays:* 06.00–08.30, 11.00–23.00(Mo., Tues., Sat. 22.30). *Sundays:* 06.00–22.30 *News:* 06.00, 07.00 (Press Review), 08.00, 11.00, 12.00, 13.00, 14.00(W), 15.00(W), 16.00(W), 17.00, 18.00, 18.55, 21.00, 22.00. *In Italian:* Wedn. 08.10–08.25, 17.05–17.20. *In English:* Wedn. 22.05–23.05 (Baltimore Gospel Tabernacle Progr.). Fri. 22.30–23.00 (Back to the Bible). Thurs. 22.30–23.00 (Hour of Decision).
in Italian, English and Spanish.

Announcement: "Ici Monte Carlo", longueurs d'ondes: 205 m en ondes moyennes et 49m.71 et 30m.65 en ondes courtes. Bonjour Mesdames, Bonjour Mesdemoiselles, Bonjour Messieurs, nos émissions commencent, en voici le programme . . . . .". Some programmes are announced in Italian, English and Spanish.

Interval-Signal: Before and after every transmission period 06.00, 11.00 and 18.00 "L'Hymne Monegasque" is played. **Verification** by QSL-cards or letter.



NORWAY

Number of Listeners: 840.000.

Address: Norsk Rikskringkastning, Suhmsgt. 23, Oslo.

Leading Personalities: Director Mr. Kaare Fostervoll. Director of Programmes: Mr. Thorstein Diesen, Director of Administration Mr. Knut Tvedt. Chief Engineer Mr. Chr. Vibe. Chief Secretary Mr. Olav Lid. Studio-Controller Mr. Arthur Klæbo. Programme-Editors Mr. Toralv Øksnevad. Mr. Carl C. Lyche, Mr. Fr. Chr. Wildhagen, Mr. Leif Rustad. Chief of Music Dept. Mr. Hugo Kramm. Chief of Plays Mr. Hans Heiberg. Editor "Programbladet" Mr. Edvin Strand. Chief of Short-wave Programmes Mr. Gunnar Nygaard.

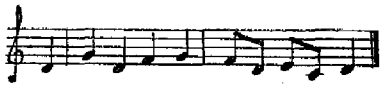
HOME SERVICE:

In Norwegian: 06.15–07.35 (Sat. 08.20), 10.20–13.00, 15.45(Sat. 14.30)–22.00. *Sun.:* 07.55–14.45, 15.15–22.15.

	kc/s	m	kW
Tromsö	155	1935.0	10
Oslo	218	1376.0	100

	kc/s	m	kW
Hamar	520	576.9	1
Vigra	629	477.0	100
Bodö	674	445.1	10
Finnmark	701	428.0	20
Bergen I	890	337.1	20
Kristiansand	890	337.1	20
Tröndelag	890	337.1	20
Bergen II	1115	269.1	1
Fåberg	1115	269.1	0.25
Lista	1115	269.1	0.3
Namsos	1115	269.1	1
Notodden	1115	269.1	1
Röros	1115	269.1	0.25
Arendal	1115	269.0	0.25
Sulitjelma	1115	269.0	0.025
Stavanger	1313	228.5	100
Geilo	1466	204.6	0.25
Mo i Rana	1466	204.6	0.3
Narvik	1466	204.6	1
Odda	1466	204.6	0.25
Porsgrunn	1466	204.6	1
Svalbard	1466	204.6	0.25
Mosjöen	1484	202.2	0.025
Rjukan	1484	202.2	0.25
Frederikstad	1578	190.1	10

News: 07.00(W), 08.00(S), 12.00, 18.05, 21.10.
Weather reports: 07.00(W), 08.00(S), 12.00, 18.00, 21.00.
Regional Programs: *Bergen II:* Weekdays 11.00–11.30. *Daily:* 16.00–17.30. – *Tromsö and Finmark* in *Samisk* on 155, 701 and 7210 kc/s: Tues. 13.10–13.25, Fri 13.00–13.15.
Programs on long and medium waves are relayed by Tromsö short wave transmitter for Norwegian seamen in the North Atlantic and the North Sea:
On 9550 *kc/s:* Mo.-Fri. 06.30–07.35(Sat. 08.20), 10.20–13.00. Sun.: 07.30–14.45.
On 7210 *kc/s:* Weekdays: 16.00–22.00. Sun.: 15.30–22.15.
Announcements: "Dette er Norsk Rikskringkastning".
In Samisk: "Dat la Norga Rikaradio, Tromsast. Di gullabetet Samgial programa".
Interval Signal:



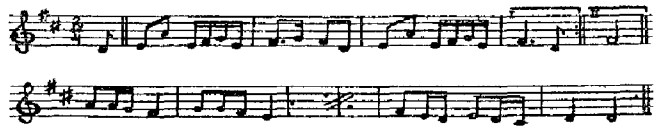
FOREIGN SERVICE:
Frequencies to be used during the year.
T = Tromsø. F = Fredrikstad. O = Oslo.

	kc/s	m	kW		kc/s	m	kW
T LKF	1578	190.1	10	F LKQ	11735	25.56	10/100
T KJ2	6130	48.94	10	F LLK	11850	25.32	10/100
T LLI	6185	48.50	10	F LKV	15170	19.78	10/100
T LLS	7210	41.61	10	F LLM	15175	19.77	10/100
T LLR	7240	41.44	10	F LKW	17755	16.90	10/100
T LKJ	9550	31.41	10	F LLN	17825	16.83	10/100
T LLD	9550	31.41	10	O LLP	21670	13.85	5
F LLG	9610	31.22	10/100	O LLQ	21730	13.81	5
F LLH	9645	31.10	10/100				

S = Sundays. W = Weekdays. NAW = North American Waters. NA = North Atlantic. NS = North Sea. FE = Far East. IO = Indian Ocean. AW = African Waters. SA = South Atlantic. S.Am. = South America. MA = Middle Atlantic. E = Europe. A = Africa. An = Antarctic. Pa = Pacific.

Hours of tr.	m. b.	Programme	Directed to
00.55–01.00	31, 25, 190	Weatherrep.	NAW, NA.
01.00–02.00	31, 25, 190	Norwegians abroad	NAW, NA.
06.30–07.35 (Sun. 07.30–10.50)	25, 19, 16, 13	Home Service	E, A, An.
10.25–10.35	31, 25	Weatherrep.	NA.
11.00–12.00	25, 19, 16, 13	Norwegians abroad	FE, P.
13.00–14.00	25, 19, 16, 13	do.	IO.
16.00–17.00	25, 19, 16 ,13	do.	NA, MA.
18.00–19.00 (Sat. 17.00–19.00).	31, 25, 19, 13	Home Service	E, A, An.
19.00–20.00	31, 25, 19, 13	Norw. abroad	E, A, An.
20.00–20.20 (Sun. only).	31, 25, 19, 13	Norway this week	E, A, An.
20.00–22.00 (Sun. 20.20–22.00).	31, 25, 19, 13	Home Service	E, A, An.
22.55–23.00	31,25,19,190	Weatherrep.	MA, SA.
23.00–24.00	31, 25, 190	Norw. abroad	SAW, An.

The last 15 minutes of the daily one hour broadcast for "Norwegians abroad" will usually consist of Norwegian music or music by Norwegian artists. This section is introduced in both English and Norwegian. To these transmissions a 15-20 minutes programme in English "Norway this week" is added every Sun.
Every Saturday (and sometimes Wedn.) a "Letter-Box" program is broadcast in Norwegian and English (the last 1/2 hour of the transmission), in which listeners letters are answered and their musical request are honoured.
Announcements: "This is Radio Norway with its short-wave service for Norwegians abroad".
Every *shortwave-transmission* to Norwegians abroad is introduced by a Norwegian folkmelody from Hallingdal:



At opening and close down: Choir (Norwegian music).
Message to Listeners: Reports are answerered by QSL-cards – and by radio Saturday evening in the English-Norwegian "letter-box" feature program.

POLAND

Address: Komitet do Spraw Radiofonii "Polskie Radio", Aleja Stalino 21, Warsaw. – *Cable:* Polskie Radio Warsaw.
Leading Personalities: For the leading of the Broadcast a leading Committee was formed October 1st 1951. Leading Personalities of the Committee are to be fixed later.

HOME SERVICE:	kc/s	m	
Warsaw Central WRC	227	1321.6	Progr. I
Gliwice	737	407.1	Progr. II
Warsaw National I	818	366.7	
Lodz	1304	230.0	
Poznan	1205	249.0	
Wroclaw	1079	278.0	
Torun	1367	219.5	
Cracow	1502	199.7	
Gdansk	1484	202.0	
Szczecin	1259	238.3	

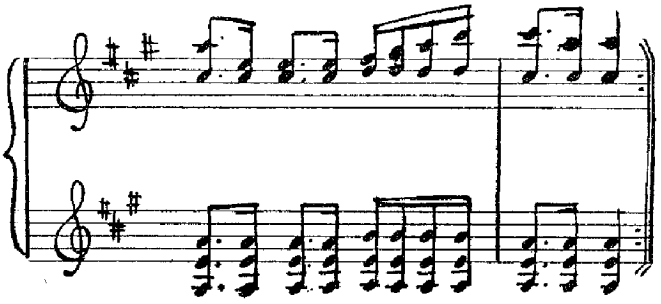
PROGRAMME 1 On 1321.6 m:
W.: 04.00–08.50, 10.55–12.55, 14.25–22.10. Sun.: 05.00–11.15, 13.00–22.40.
News in Polish: 04.00, 05.00, 06.00, 06.55, 11.04, 15.00, 19.00, 22.00. *Weather report:* 05.00, 18.58.

PROGRAMME 2 On 366.7 m:
W.: 04.00–07.00, 13.00–23.00. Sun.: 05.00–23.00.
News in Polish: 04.00, 05.30, 06.55, 13.00, 16.00, 20.00, 22.50.

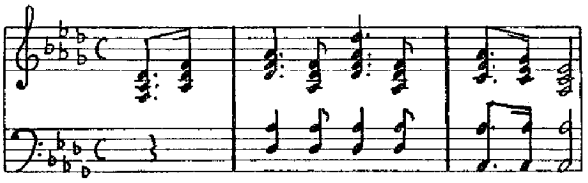
FOREIGN SERVICE:

kc/s	m	kc/s	m	kc/s	m	kc/s	m
5975	50.21	5995	50.01	6115	49.06	6140	48.86
7145	41.99	7155	41.93	9555	31.40	9570	31.35
11740	25.55	11815	25.39	15120	19.84		

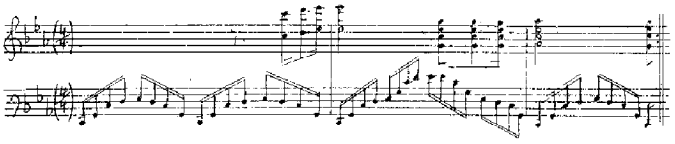
Concert: 14.30–15.30 on 7155, 9525 kc/s. 15.30–16.25 on 7175, 9555 kc/s.
English: 00.45–01.15 to U.S.A. on 6115, 9555 kc/s, – 04.15 –04.45 to U.S.A. on 6115, 9555 kc/s. – 05.30–06.00 to U.S.A. on 6115, 9555 kc/s. – 06.30–07.00 to Gt. Br. on 5995, 6140, 7155 kc/s. – 11.00–11.30 to U.S.A. on 9555, 11740 kc/s. – 12.15–13.00 to U.S.A. on 9555, 15120 kc/s. – 17.00–17.30 to Gt. Br. on 7175, 9555 kc/s. – 17.30–18.00 to Gt. Br. on 6115, 7145, 9555 kc/s. – 19.00–19.30 to Gt. Br. on 6115, 7145, 9555 kc/s. – 19.30–19.55 to Gt. Br. on 5975, 6140, 7155 kc/s. – 22.15–23.00 to U.S.A. on 6115. 9555 kc/s. – 22.30–23.00 to Gt. Br. on 5975, 6140, 7155 kc/s.
French: 05.00–05.30 on 5995, 6140, 7155, 7205 kc/s. – 11.45–12.00 on 7145, 9555, 9570 kc/s. – 13.45–14.15 on 7145, 9570 kc/s. – 17.00–17.30 on 6115, 7145 kc/s. – 20.30–21.00 on 6115, 7145, 9555 kc/s. – 20.00–20.30 on 1079 kc/s. – 20.30–21.00 on 6115, 7145, 9555 kc/s. – 22.00–22.30 on 5975, 6140, 7155 kc/s.
German: 04.30–04.55 on 5975, 6140, 7155 kc/s – 17.00 17.30 on 6140, 7155 kc/s – 18.30–18.55 on 5975, 6140 7155 kc/s – 19.45–20.15 on 6115, 7145, 9555 kc/s – 20.30–21.00 on 5955, 7175, 7205 kc/s.
Greek: 04.00–04.30 on 5995, 6140, 7155, 7205 kc/s – 09.00 –09.30 on 9600 kc/s – 12.30–13.00 on 7155, 9525 kc/s – 14.30–15.00 on 6115, 7145, 9555 kc/s – 18.00–18.30 on 5995, 7175, 7205 kc/s – 22.30–23.00 on 5995, 7175, 7205 kc/s.
Italian: 06.00–06.25 on 5995, 6140, 7155, 7205 kc/s. – 11.30–12.00 on 7155, 9525 kc/s. – 13.00–13.30 on 7155, 9525 kc/s. – 16.30–16.55 on 6115, 7145 kc/s. – 20.00–20.30 on 5995, 7175, 7205 kc/s. – 21.05–21.30 on 6115, 7175, 9555 kc/s. – 22.00–22.30 on 5995, 7175, 7205 kc/s.
Jewish: 05.15–05.30 to U.S.A. on 6115, 9555 kc/s – 21.30–21.55 on 5975, 6140, 7155 kc/s.
Macedonian: 15.00–15.30 on 7175, 9555 kc/s.
Polish: 04.45–05.15 to U.S.A. on 6115, 9555 kc/s – 21.45–22.15 to U.S.A. on 6115, 9555 kc/s – 23.15–02.15 Polish Press Agency on 5975, 7175 kc/s.
For Poles abroad: 05.30–05.55 on 5995, 6140, 7155, 7205 kc/s. – 16.30–17.00 on 7175, 9555 kc/s. – 18.00–18.30 on 6115, 7145, 9555 kc/s. – 20.00–20.30 on 5975, 6140, 7155 kc/s.
Progr. for Polish Children abroad: 13.30–14.30 on 9555 kc/s. – 15.30–16.00 on 5995, 7155 kc/s.
Russian: 14.00–14.30 on 7155, 9525 kc/s.
Spanish: 13.30–14.00 on 7155, 9525 kc/s – 18.30–19.00 on 6115, 7145, 9555 kc/s – 21.30–22.00 on 5995, 7175, 7205 kc/s.
Swedish: 17.30–18.00 on 6140, 7155 kc/s. – 19.00–19.30 on 5995, 7175, 7205 kc/s.
Yugoslavia: 10.30–11.00 on 7155, 9525 kc/s – 11.00–11.30 on 7155, 9525 kc/s – 12.00–12.30 on 7155, 9525 kc/s – 15.00–15.30 on 6115, 7145, 9555 kc/s – 15,45–16.15 on 6115, 7145 kc/s – 16.30–17.00 on 6140, 7155 kc/s – 18.30–19.00 on 5995, 7175, 7205 kc/s – 20.30–21.00 on 1079 kc/s – 21.00–21.30 on 5975, 6140, 7155 kc/s.
Announcement: In *Polish:* "Mowi Warszawa". In *French:* "Ici Varsoviz". In *English:* "This is Warsaw calling." The same in the other language–broadcast.
Interval-Signal: Warsaw National.
Interval-Signal: *Warsaw 2:* First movement of Polonaise in A flat major by Chopin.



Warsaw 1.



Foreign Service: I.



Revolutionary Etude by Chopin.
Verification by QSL-card. Return postage not required.

PORTUGAL

EMISSORA NACIONAL DE RADIODIFUSAO
(Government)
Address: Rua do Quelhas, 2 – Lisboa – *Cable* Emissoxa
Leading Personalities: President, Antonio de Eça de Queiroz; Technical Director, Mr. Manuel Bivar; Administrative Director, Mr. Armando Stichini Villela; Production Manager, Mr. José Luiz da Silva Dias; Transmitting Dept., Mr. Fernando da Cunha de Eça; Studios Dept., Mr. Henrique Leotte Tavares; Administrative Dept. Mr. José Carmo Carrilho.

HOME SERVICE:	kc/s	m	kW	
Lisbon 1	665	451	15	Regional
Lisbon 2	719	417	50	Nacional
Porto	755	397	10	Nacional (North)
Coimbra	1367	219	1	Regional (Middle)
Faro	1358	221	1	Regional (South)
Atlantico Regional	1214	247	2	Ponta Delgada – Açores
Madeira	1529	196	1	Funchal – Madeira
Açores Regional	4845	61.92	1	Ponta Delgada
Lisbon	6360	47.16	10	Nacional
Açores Regional	11090	27.05	1	Ponta Delgada
Lisbon s.w.	6360	47.16	10	Nacional
Acores Regional	11090	27.05	1	Ponta Delgada
Lisbon s.w.	11964	25.09	10	Nacional

Lisbon I: W: 08.30–10.00, 12.00–14.00, 18.30–24.00. Sun.: 07.30–10.00, 11.30–24.00.
News: 08.35, 13.00, 19.00, 21.00, 23.45. *Weatherreport:* 09.55, 13.55, 23.50.
Lisbon II: D. 20.00–24.00 (During football-season – September to July – 15.45–24.00 on Sun.).
Porto I (Norte Nacional), **Coimbra** (Centro Regional), **Faro** (Sul Regional): W.: 12.00–14.00, 18.30–24.00. Sun.: 11.30–24.00.
Lisbon s. w. (Atlantico): W.: 12.00–14.00 in 25 m. b. 18.30–24.00 in 47 m. b. Sun.: 11.30–24.00.
Açores Regional: D. 20.00–21.00 in 27 m. b. 22.00–24.00 in 62 m. b. **Announcements:** "Lisboa–Emissora Nacional a trabalhar com os emissores de... (Lisboa I, Lisboa II, Porto, Coimbra, Faro) e as estaçoes de Ondas Curtas em – – – «. **Interval Signal:** Gong.
FOREIGN SERVICE: Centro Emissor Ultramarino Lisboa. In Portuguese.

kc/s	m	kW	kc/s	m	kW
6360	47.16	10	15100	19.87	100
6374	47.07	10	15125	19.83	100
7260	41.25	100	15150	19.80	100
9670	31.02	100	17740	16.91	100
9740	30.80	100	17860	16.80	100
9746	30.78	50	21490	13.96	100
11920	25.17	100	21660	13.85	100
11940	25.13	100	25660	11.69	100
11964	25.09	100	25690	11.68	100
11996	25.01	100			

Program for S. Tomé, Angola e Mocambique: 11.00–14.00 in 13, 19 m.b., 17.30–20.00 in 13, 19, 25 m.b. or 16, 25, 30 m.b.
Program for Timor 11.00–13.00 in 16, 19, 25 m.b.
Program for Goa, Damao e Diu (Portuguese India) *and Macau:* 14.45–17.00 in 16, 19, 25 m.b.
Program for Brasil, Cabo Verde e Guinea (S. Atlantico): 14.45–17.00 in 13, 16 m.b., 21.00–23.00 in 19, 25 m.b. or 25, 30 m.b.
Program for the North Atlantic (Portuguese Fishing Fleet, and U.S.A.). 00.00–02.00 in 25, 30, 47 m.b.
Programmes consist of Program Preview, Music, News, Theatre and Talks.
Announcement: "Aqui Lisboa–Estaçao de Ondas Curtas da Emissora Nacional a trabalhar nos comprimentos de onda de... nas frequencias de . . .".
Interval-Signal: Gong. – **Verification** by QSL-card or letter.

PRIVATE STATIONS (Commercial)

RADIO RENASCENÇA

Address: Emissora Católica Portuguesa, Rua Capelo, 5, Lisbon.
Leading Personalities: Director Mr. Manuel Lopes da Cruz. Cooperators Father D. de Oliveira Costa Maia and Father W. Leal.
Stations: Radio Renascenca: 17.00–23.00 (Sun. also 10.15 –12.00).

Lisbon	1286 kc/s	233 m	2 kW
Porto	1169 –	256.6 –	1 –
Lisbon	6154 –	48.74 –	2 –

Announcement: *Portuguese:* "Aqui Rádio Renascença. Emissora Católica Portuguesa". *English:* "This is the Portuguese Roman Catholic Broadcasting System".
Interval Signal: Gong. – All transmissions open with a religious choir.

RADIO CLUBE PORTUGUES, PAREDE

Leading Personalities: Director A. Lima Basto.
Stations: Parede.

CSB2	1034 kc/s	290 m	20	kW
CSB51	12865 –	23.32 –	0.5	–

Daily Programmes in *Portuguese* on 290 m and 23.32 m, 10.00–14.00 (Sun. 10.00–17.45) and 19.00–01.00.
Announcement: Rádio Club Português-Parade-Portugal.
Verification by QSL-card.

"LOCAL STATIONS"	kc/s	m	kW	
Lisboa	1.594	188	0.5	Radio Peninsular.
Porto	1.602	187	1	Emissores Norte Reunidos.
Angra de Heroismo	1.484	202	0.5	Radio Clube de Angra
Aeroporto de Santa Maria	1.594	188	0.1	Radio Clube de Aeroporto
Funchal	1.484	202	1	Radio Clube de Madeira.
Funchal	1.594	188	0.5	Radiodifusao do Funchal.
12 low power stations	1.602	187	0.15	

RUMANIA

Address: Comitetul de Radio, de pe lânga Consiliul de Ministri al Republicii Populare Româné, Bucuresti, str. A. St. Popov Nr. 62.
HOME SERVICE:

	kc/s	m	kW	
Romania	155	1935,0	150	W: 03.17–07.00, 12.00–22.00, Sun: 04.57–22.00.
Timisoara I	557	539.0	50	W: 03.17–05.15, 11.00–20.00, Sun: 08.50–20.00
Timisoara II	755	397.3	50	W: 17.30–22.00, S.: 18.00–22.00.
Bucuresti I	854	351.3	150	W: 07.00–22.00. S.: 04.57–22.00.
Bucuresti II	1052	285.1	5	W: 03.17–07.00, 11.00–14.25, Fri.: 03.17–07.00, 11.00–15.00, Sun.: 07.20–15.00.
Cluj	1151	260.9	20	
Craiova	1457	205.9	20	W: 13.00–20.25. Sun.: 12.00–20.00.

News in Rumanian: *On* 155 *kc/s:* 03.30(W), 05.00(Sun.), 06.30(W), 12.30(W), 14.00(W), 17.30(W), 20.00, 21.50. *On* 557 *kc/s:* W: 03.30, 12.30, 14.00, 17.30. Sun.: 12.00, 18.45. *On* 755 *kc/s:* W: 17.30, 20.00, 21.50. Sun.: 12.00, 18.00. *On* 854 *kc/s:* 05.00(Sun.), 11.40(W), 12.00(Sun.), 14.00(W), 17.30(W), 18.00(Sun.), 20.00, 21.00(W), 21.50 (Sun.). *On* 1052 *kc/s:* W: 03.30, 06.30, 12.30, 14.30. Sun.: 12.00. *On* 1457 *kc/s:* 12.00(Sun.), 14.00(W), 17.30(W), 20.00(W).

News in Russian: *On* 155 *kc/s:* 04.45(W), 05.40(Sun.), 21.00. *On* 755 *kc/s:* 21.00. *On* 854 *kc/s:* 05.40(Sun.), 21.00. *On* 1052 *kc/s:* 04.45(W).
News in the languages of national minorities:
Hungarian: *On* 155 *kc/s:* 11.00(Sun.), 12.00(W), 16.00 (W), 16.30(Sun.). *On* 557 *kc/s:* 04.20(W), 12.00(W), 12.30(Sun.), 13.30, 16.00(W), 16.30(Sun.). *On* 1052 *kc/s:* 11.00(Sun.), 12.00(W). *On* 1457 *kc/s:* 16.30(Sun.).

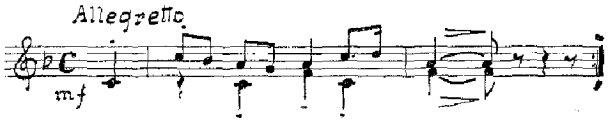
Serbian: *On* 557 *kc/s:* 05.00(W), 13.00(W), 14.30(Sun.), 17.00(Sun.), 18.00, 19.30.
German: *On* 155 *kc/s:* 15.00(W), 15.45(Sun.). *On* 557 *kc/s:* 11.15(W), 15.00(W), 15.45(Sun.), 18.45(W). *On* 1052 *kc/s:* 11.15(W). *On* 1457 *kc/s:* 15.45(Sun.).
FOREIGN SERVICE:

	kc/s	m	kW	kc/s	m	kW
România Libera	6210	48.31	5	12032	24.94	0.075
(other stations Bucuresti)	9254	32.43	4	15420	19.46	0.075*)

*) irregularly.

11.45–12.00	Greek.	19.30–20.00	Jewish (Tues,
17.30–18.00	Serbian.		Thurs, Sat.).
18.00–18.30	Russian		Rumanian (Mo.,
18.30–19.00	Greek.		Wed. Fri., Sun.).
19.00–19.30	German.	20.00–20.15	Italian (music).
		20.15–21.00	French.
		21.00–21.45	English.

Announcement: *English:* "Here are the broadcasting stations of the Rumanian People's Republic on the short-wave lengths of 25 and 32.4 metres and Radio România Libera on 48.3 m".
Interval-Signal: Celesta



Verification by QSL-card.

SPAIN

DIRECCIÓN GENERAL DE RADIODIFUSIÓN

Number of Listeners: 1.500.000. – **Language:** Spanish. The Dirección General de Radiodifusión is the central authority for broadcasting in Spain, but does not operate stations of its own.
Address: Montesquinza No. 2, Madrid.
Leading Personality: Director General Mr. J. S. Suevos.
Stations:

Short Waves:	*kc/s*	*m*	*kW*	
Malaga	6195	48.42	2	As 737 kc/s C*).
Tanger	6215	48.27	3.0	R. Internacional. D. 11.00–23.00.
Valladolid	7006	42.83	0.5	R. Falange de Valladolid 12.30–14.30, 20.00–23.00.E.
Malaga EA9	7017	42.70	2	R. Nacional, C. 12.00–15.00, 19.00–24.00.
Valencia	7037	42.63	1	R. Mediterraneo D. 11.00–23.00.
Barcelona	7100	42.25	0.1	R. Martorell, A. 11.00–15.00, 17.00–23.00.
Caceres	7100	42.25	0.04	R. Plasencia, A. 13.00–14.15, 20.00–21.45.
Orense	7100	42.25	0.015	R. Ribadavia, A. 12.00–14.30, 20.00–22.30.
Barcelona	7100	42.25	0.06	R. San Feliu, A. 20.00–22.00.
Jaen	7100	42.25	0.006	R. Villacarrillo, A. 12.00–14.00 (Sun. Thurs. 15.00).
Mahon	7100	42.25	0.08	R. Menorca, A. 19.00–23.00.
Barcelona	7100	42.25	0.02	R. Molins de Rey, A. 20.00–23.00.
Murcia	7104	42.22	0.2	R. Juventud, A. 12.00–14.30, 20.00–22.30.
Jaen	7126	42.10	0.04	R. Villanueva del Arzobispo, A. 12.30–16.00.
Madrid	7140	42.02	0.8	R. S.E.U. see below A*).
Badajoz	7140	42.02	0.06	R. Merida, A. 12.30–15.00, 20.00–22.00
Barcelona	7200	41.67	0.06	R. Juventud de Sabadell, A. 12.00–14.00, 20.00–22.30.
Cadiz	7200	41.67	0.6	R. Juventud de Cadiz, A. 13.00–15.00, 20.30–23.00.
Huesca	7200	41.67	0.08	R. Barbastro, A. 12.00–14.00, 20.00–23.00.
Albacete	7200	41.67	0.1	R. Juventud de Albacete, A. 12.30–15.00, 19.30–23.00.
Oviedo	7230	41.49	0.25	R. Falange de Oviedo, H. 11.00-14.00, 19.00–23.00 (Sun.).
Valencia	7260	41.32	0.045	R. Ayora, A. 12.00–14.00 (Mo. Wedn. Fri. 20.30–23.00).
Almeria	7260	41.32	0.06	R. Juventud de Almeria, A. 12.00–15.00, 18.30–23.30.
Albacete	7281	41.20	0.04	R. Almansa, A. 12.00–14.15, 20.00–23.00.
Barcelona	7281	41.20	0.04	R. Union, A. 11.00–13.00, 20.00–22.00.
Madrid	7380	40.65	1	La Voz de la Falange, F.*) 19.00–20.30, 22.00–00.30.
Valencia	7300	41.10	0.25	R. Alerta, G.*) 12.00–14.00, 20.30–23.00.
Alicante	7940	37.78	1.2	R. Alicante Levante, B.*)
Madrid	9363	32.04	40	R. Nacional (see below), C.*)
Madrid	15625	19.18	40	R. Nacional (see below), C.*)

*) **Verification** by QSL-card.

Medium Waves:	*kc/s*	*m*	*kW*	
Madrid EAJ7	593	505.0	18	09.00–24.00, D.
Barcelona	620	483.9	25	12.00–15.00, 17.00–24.00. C.
Sevilla RNE	638	470.2	5	13.00–15.00, 20.00–24.00, C.
Madrid Arganda	737	407.1	120	07.00–24.00, C.
Madrid Local	737	407.1	5	As 737 kc/s, C.
Sevilla EAJ5	773	388.0	5	11.00–23.00, D.
Barcelona EAJ1	809	370.8	10	11.00–23.00, D.
Huelva	830	361	0.5	As 737 kc/s, C.

United Nations Switzerland: Mr. Robert Neville broadcasting United Nations news in French.
Radio Madrid: Mr. Bobby Deglané, announcer R. Madrid "Sociedad Espanola de Radiodiffusion"; producer of "La Melodia Misteriosa".

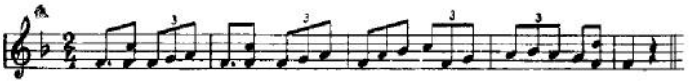
Malaga EAJ9	998	300.6	6	12.00–15.00, 19.00–24.00, C.
Madrid EAJ2	850	353.0	3.5	R. Espana de Madrid 12.30–15.00, 18.00–23.30.
Zaragoza EAJ101	872	344.0	30	08.00–09.00, 12.00–14.30, 18.00–23.00, B.
Madrid	917	327.2	10	12.00–15.00, 18.00 24.00, B. –
La Coruna	701	428	20	08.00–09.00, 13.00–15.00, 19.00–23.30, C.
Malaga EAJ9	998	300.6	6	12.00–15.00, 19.00–24.00, C.
S. Sebastian EAJ8	1025	292.7	1.5	11.00–23.00, D.
R. Internacional (Tanger)	1079	278.0	10	11.00–23.00, D.
Barcelona EAJ15	1124	266.9	3	R. Espana de Barcelona 11.00–15.15, 17.00–24.00.
Bilbao EAJ28	1133	264.8	2.5	11.00–23.00, D.
Barcelona RNE	1223	245.3	5	12.00–15.00, 17.00–24.00, C.
Internacional (Tanger)	1232	243.9	50	11.00–23.00, D.
Valencia EAJ3	1258	238.5	5	11.00–23.00, D.
R. Falange de Vallodolid	1300	230.7	0.5	as 7006 kc/s, E
R. SEU	1300	230	0.2	18.00–24.00, Sun. 13.00–17.00, A.
Cuenca	1370	218	0.2	13.00–15.00, 19.00–23.30.
Valencia EAJ3	1385	216.5	0.8	07.00–09.00, 12.00–15.30, 18.00–24.00. C.
Reus EAJ11	1412	212.5	0.2	11.00–23.00, D.
Mallorca EAJ13	1439	208.5	0.2	11.00–23.00, D.
R. Castilla EAJ27	1447	207.0	9	R. Castilla, D 12.45–14.30, 20.00–23.00.
R. Galicia EAJ4	1448	207.2	0.2	11.00–23.00, D.
R. Alicante EAJ31	1448	207.2	0.2	11.00–23.00, D.
R. Alcira EAJ 54	1493	200.9	0.2	11.00–23.00, D.

A: SINDICATO ESPANOL UNIVERSITARIO – RADIO S.E.U. – Emisora Nacional del Frente Juventudes.
Address: Diego de Leon 49, Madrid.
Daily Programmes on 7140 kc/s: 18.00–24.00.
French: 19.30–20.00 Thurs. *Esperanto:* 19.30–20.00 Wedn. *Ukrainian:* 19.30–21.00 Tues. *Portuguese:* 13.00–13.30 Sun.
3 low power m.w. stations (Cáceres, Barcelona, Valencia).

B: COMPANIA DE RADIODIFUSION INTERCONTINENTAL
Address: Diego de Leon 50, Madrid.
30 low power m.w. stations.

Radio Falance de Alicante.
Address: Angel Lozano, 20 (Entlo), Alicante.
Leading Personalities: Director Sr. Don Bartolomé Cardoa. Program Director Sr. Don Alfredo Marciel.
Station: Alicante 7940 kc/s 37.78 m 0.75 kW.
Daily Programmes: 11.00–15.00, 18.00–23.30.
Relay R. Vatican: D. at 20.00.
Announcements: At opening the march "Heroina" followed by "Radio Falange de Alicante, Colaborador de la Compania de Radiodifusión Intercontinental". – **Verification** by QSL-card.

C: RADIO NACIONAL DE ESPANA
Address: Lopéz de Hoyos 6, Madrid.
A program bulletin in Spanish and English is published monthly and is sent free on request.
Leading Personality: Director of Programmes and Broadcast Mr. José R. Alonso.
Home Service on 737 kc/s: 07.00–24.00. *News in Spanish:* 07.30, 10.00, 18.00, 21.00 23.15. *News* at 13.30, 21.00 relayed by all stations. *Relay Vatican R.:* Tues. 20.00.
FOREIGN SERVICE
European & African Service on 9363 kc/s:
15.50 and 16.30 *Spanish*, 17.05 Italian, 17.20 German, 17.40 Slovak, 17.40 Ukrainian, 17.55 Arabic, 18.20 French, 18.50 Rumanian, 19.05 Hungarian, 19.20 Polish, 19.50 Russian, 20.15 English, 20.45 and 21.45 *Spanish.*
North American Service on 9363 kc/s:
23.00–23.40, 03.05–03.45 *English* "The Voice of Spain".
Latin American Service:
16.30–17.00 *Spanish* on 15635 kc/s. 21.15–21.45 *Portuguese* for Brazil on 9363 kc/s. 23.45–03.00 *Spanish* on 9363 kc/s. *Spanish News:* 23.47, 01.00, 02.00.
Phillippine Service: 22.14–22.48 *Spanish* on 9363 kc/s.
The programme in the Overseas Sce consist of news of Spanish affairs, music, commentaries, talks and interviews with important Spanish and foreign personalities.
Announcement: "R. Nacional de Espana, Madrid" in different languages except for N. American Sce: "The Voice of Spain". – **Interval-Signal:** Gong and the following tune:



Future Plans: In Madrid two 100 kW and one 200 kW s. w. stations under construction. A television station under conctruction.

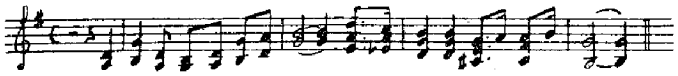
D: SOCIEDAD ESPANOLA DE RADIODIFUSION
Address: Avenida de José Antonio, 32, Madrid. *Cable:* SER.
Leading Personalities: President Don Antonio G. Y. Diaz–Conabate, Director General Don v. Onate Sanchez.
Home Service: R. Madrid 09.00–24.00, *News:* 13.30, 21.00.

Spain United Nations Robert Neville Radio Madrid Bobby Deglane

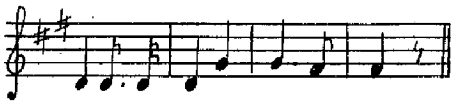
Foreign Service: R. Mediterraneo 7037 kc/s in Spanish and R. Internacional 6215 kc/s in Spanish, French, English and Arabic from 11.00–23.00.
Announcement: "Esta es la Emisora... de la Sociedad Espanola de Radiodiffusion".
14 low power m.w. stations associated S.E.R.: R. Castellon EAJ14, R. Granada EAJ16, R. Murcia EAJ 17, R. Huesca EAJ22, R. Gandia EAJ23, R. Coruna EAJ 41, R. Albacete EAJ44, R. Valladolid EAJ47, R. Las Palmas EAJ50, R. Extremadura EAJ52, R. Salamanca EAJ 56, R. Jaen EAJ61, R. Ciudad Real EAJ65, R. Zamara EAJ72.

E. R. FALANGE DE VALLADOLID: Address: Santiago 2, Valladolid. **Leading Personality:** Director Mr. Don C. Alvarez. **Daily Programmes:** *Bullfight Commentary* Tues. 22.00. *The Voice of the Falange* Wed. 22.00. **Announcement:** "FET1 R. Falange de Valladolid". – **Interval-Signal:** Stroke on multi-note gong.

F. LA VOZ DE LA FALANGE: Address: Alcalá 44, Madrid. **Leading Personalities:** Director Mr. T. D. Pomata, Editor Mr. R. Garcia. – *Bullfight Commentary:* Fri. 19.30. **Announcement:** "Esta Emisora es "La Voz de la Falange"". **Interval-Signal:** A few bars of the "Cara al Sol" at the beginning of every broadcast.



G. R. ALERTA: Address: Calle de Colon 11, Valencia. **Leading Personalities:** Director Mr. V. B. Fugola, Deputy Director Mr. R. C. Martinez, Chief-Engineer Mr. J. M. Serra, Director of Programmes Mr. M. V. Alonso. **Announcement:** "Transmite R. Alerta de Valencia, Emisora Regional de la Guardia de France, al servicio de Espana y la Falange, radiando en onda de 40 metros y frequencia de 7000 kc/s". From 00.00–02.00 announcement in Spanish, German, French, Italian. **Interval-Signal:**



RADIO FALANGE DE OVIEDO.
Address: Asturias 15, Oviedo.
Stations: Oviedo 0.25 kW
1428 kc/s 210.0 m – 7230 kc/s 41.50 m.
Daily Programmes: 11.00–14.00, 19.00–23.00. On short wave only Sundays.

SWEDEN

Number of Listeners: 2.231.685.
Distribution of Programmes: Telegrafstyrelsen, Stockholm 16. *Cable:* Gentel.
Leading Personalities: Director General Mr. H. Sterky; Chief of Radio Division Mr. E. Magnusson, Chief of Broadcasting Section Mr. Enk Esping.

	kc/s	m	kW
Luleå	182	1648.4	10
Motala	191	1570.7	150
Östersund	420	714.3	10
Sundsvall	593	505.9	150
Malmberget	719	417.2	0.2
Stockholm	773	388.1	55
Gothenburg	980	306.1	150
Hörby	1178		100
Falun	1223		100
Hälsingborg	1223		0.5
Eskilstuna	1394	215.2	0.5
Jönköping	1394	215.2	0.2
Kiruna	1394	215.2	0.5
Kristinehamn	1394	215.2	0.2
Säffle	1394	215.2	0.4
Trollhättan	1394	215.2	0.25
Uppsala	1394	215.2	0.5
Varberg	1394	215.2	0.2
Visby	1394	215.2	0.5
Gävle	1448	207.2	0.5
Hudiksvall	1448	207.2	1.0
Örnsköldsvik	1448	207.2	0.5
Karlskrona	1529	196.2	0.5
Porjus	1529	196.2	0.075
Söderhamn	1529	196.2	0.06
Umeå	1529	196.2	1.0
Borås	1562	192.1	2.0
Halmstad	1562	192.1	2.0
Kalmar	1562	192.1	2.0
Karlstad	1562	192.1	0.25
Malmö	1562	192.1	2.5
Norrköping	1562	192.1	0.25
Uddevalla	1562	192.1	0.5
Örebro	1562	192.1	0.5

6065 kc/s	49.46 m	100 kW	11705 kc/s	25.63 m	100 kW
6095 –	49.22 –	100 –	11880 –	25.25 –	100 –
7270 –	41.27 –	100 –	15155 –	19.80 –	100 –
9535 –	31.46 –	100 –	17800 –	16.85 –	100 –
9620 –	31.19 –	100 –			

SWEDISH BROADCASTING CORPORATION
Address: A/B "Radiotjänst" (Swedish Broadcasting Corporation), Stockholm 7.
Leading Personalities: Director General Elof Ehnmark. Managing Director Erik Mattsson. Director of Music Per Lindfors. Director of Talks Nils-Olof Franzén. Director of Drama Herbert Grevenius. Director of News and Special Events Henrik Hahr. Technical Director Johan von Utfall. Director of Publications Department Manne Ginsburg.

HOME SERVICE in Swedish:
Medium waves: W: 05.15–14.00, 16.00–22.30 or 23.00. Sun.: 06.30–22.30.

Short waves: Hörby 100 kW (Motala 12 kW – 7270 kc/s).
6065 kc/s 49.46 m 100 kW 05.00–10.00(S. 09.00), 16.10–22.10.
7270 kc/s 41.27 m 12 kW 05.00–22.10.
11705 kc/s 25.63 m 100 kW 10.00(S. 09.00)–16.10.
News: 05.30 (W), 07.00, 11.30, 18.00, 21.15. The News is followed by weather forecasts. Weather Forecast for Swedish Waters daily: 16.00.

Announcement (National Program): "Sveriges Radio..." and the name of the transmitting station. For instance: "Sveriges Radio, Stockholm".

FOREIGN SERVICE:
NAE=N. America E. Coast – NAW=N. America W. Coast – SA=S. America – FE=Far East – SEA=S. East Asia – ANZ=Australia, N. Zealand – ME=Middle East – AF=Africa.
I=English – II=Swedish – III=French – IV=Spanish – V=Portuguese.

A=Sept./April – B=Nov./Febr. – C=March/April – D=March/October – E=May/Aug. – F=Sept./October.

			A	B	C	D	E	F
00.00-01.00	NAE	I		6065	9535		11880	9535
01.00-02.30	NAE	II		6065	9535		11880	9535
02.30-02.45	NAE	I		6065	9535		11880	9535
03.00-03.15	ME	I	9535				11705	
03.15-03.45	ME	II	9535				11705	
04.00-04.30	NAW	I		9620		11705		
04.30-05.00	NAW	II		9620		11705		
04.00-04.15	SEA ANZ	I		9535		15155		
04.15–04.45	SEA ANZ	II		9535		15155		
05.00-05.30	AF	I		9620		15155		
05.30-06.00	AF	II		9620		15155		
11.00-11.15	SA	I		17800		15155		
11.15-11.45	SA	II		17800		15155		
12.00-12.15	NAE	I		11880		15155		
12.15-12.45	NAE	II		11880		15155		
13.00-13.15	FE	I		9535		15155		
13.15-13.45	FE	II		9535		15155		
14.00-14.45	SEA ANZ	II		9535		15155		
14.45-15.30	SEA ANZ	I		9535		15155		
15.30-16.00	SEA ANZ	III		9535		15155		
17.00-17.15	ME	I	9535				15155	
17.15-17.45	ME	II	9535				15155	
18.00-18.15	AF	I		9535		15155		
18.15-18.45	AF	II		9535		15155		
21.00-21.30	NAW	I		9535	11705		15155	11705
21.30-22.00	NAW	II		9535	11705		15155	11705
23.00-23.15	FE	I	9535				15155	
23.15-23.45	FE	II	9535				15155	
23.00-23.30	SA	IV		6095		11705		
23.30-24.00	SA	V		6095		11705		
00.00-01.00	SA	II		6095		11705		
01.00-01.45	SA	IV		6095		11705		
01.45-02.00	SA	V		6095		11705		

EUROPEAN SERVICE:
6095 kc/s (winter). 9620 kc/s (summer).
19.00–19.30 French, 19.30–20.00 German, 20.00–20.30 English, 20.30–20.45 Spanish.
News, commentaries, reportage, music etc.

SWEDEN CALLING DX-ers every Fri. and Sat.
Fri. 15.45 on 6065 kc/s. Fri. 22.30 on 6065 kc/s. Sat. 07.15 on 6065 kc/s.

Announcements: "This is Radio Sweden" – "Ici Stockholm" – "Hier ist der Swedische Rundfunk, Stockholm" – "Habla Estocolmo" – "Agui Estocolmo".

Interval-Signal: The first movement of Carl Michael Bellman's: "Storm och böljor tystna ren".

Verification by verification-card. Special question by letter. Reports to "Sweden Calling DX-er"s should be addressed to DX-Editor, Radio Sweden, Stockholm7, Sweden.

SWITZERLAND

Number of Listeners: 1.098.539.

Addresses: *Schweizerische Rundspruchgesellschaft*, Société Suisse de Radiodiffusion, Swiss Broadcasting Corporation, Società Svizzera di Radiodiffusione – Neuengasse 30, Berne. *Cable:* Radif.

Schweizerische Kurzwellendienst, Service suisse des Ondes courtes, Swiss Shortwave Service, Neuengasse 23, Berne. *Radio-Zürich*, Brunnenhofstrasse 20, Zürich. – *Radio Berne*, Schwarztorstrasse 23, Berne. – *Radio-Basel*, Novarastrasse 2, Basel. – *Radio-Lausanne*, Maison de la Radio, La Sallaz, Lausanne. – *Radio-Genéve*, 66, Boulevard Carl Vogt, Genéve. – *Radio-Lugano*, Campo Marzio, Lugano.

Leading Personalities: Director General of S.B.C. Mr. Marcel Bezencon. Head of Administration and Deputy Director-General Mr. Georges Conus. Director of Swiss Shortwave Service Mr. Paul Borsinger.
Manager of the Regional Centres: Beromünster: Studio Zürich, Dr. Jakob Job, Studio Berne, Dr. Kurt Schenker. Studio Basel, Dr. Fritz Ernst. *Sottens:* Studio Lausanne, Mr. Jean-Pierre Méroz. Studio Genéve, Dr. René Dovaz. *Monte Ceneri:* Studio Lugano, Dr. Stelio Molo.

HOME SERVICE:
German: (W): 05.15–06.30, 10.00–13.30, 15.00–22.00. *Sat.:* 05.15–06.30, 10.00–22.00. – *Sun.:* 05.55–06.45, 07.30–22.00.

Beromünster:	529 kc/s	567.1 m	150 kW.	
Chur:	773 –	388.1 –	0.5 –	relay.
Sool:	1367 –	219.5 –	0.5 –	–
Basel:	1367 –	219.5 –	0.5 –	–

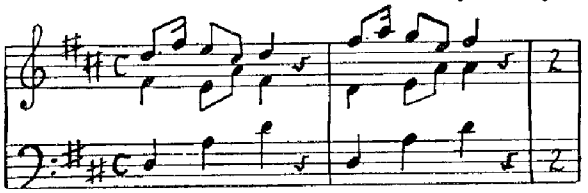
News: 05.15(W), 06.00, 11.30, 18.30, 21.15. *Progr. Preview:* 06.05, 18.25. *World Chronicle:* Fri. 18.10. *W. Review for Swiss abroad:* Mo. 21.20. *Symphony:* Tues. 19.00.
French: 06.10–06.40, 10.00–13.00 (Sat. 22.15), 15.30–22.00. *Sun.:* 06.10–06.40, 07.45–22.15.

Sottens:	764 kc/s	392.6 m	150 kW.	
Savièse:	1367 –	219.5 –	0.5 –	relay.

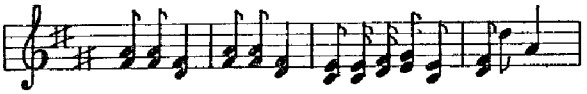
News: 06.15, 11.45, 18.15, 21,30. *Program Preview:* 18.14. *Symphony:* Wed. 19.30.
Italian: W: 06.00–06.45, 10.00–12.45, 15.30–21.30(Sat. 22.30). Sun.: 06.00–06.30, 09.30–21.30.
Monte Ceneri: 557 kc/s 538.6 m 50 kW.
News: 06.15, 11.30, 18.15, 21.15. *Progr. Preview:* 18.20. *Symphony:* Thurs. 19.50.

Announcements: *Beromünster:* "Schweizerischer Landessender Beromünster". – *Sottens:* "Sottens – Emetteur national Suisse". – *Monte Ceneri:* "Radio della Svizzera italiana-Stazione nazionale di Monte Ceneri".

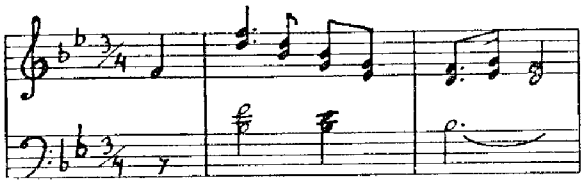
Interval-Signals:
Beromünster: Radio Basel: "Z'Basel a mym Rhy".



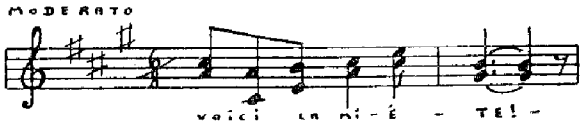
Radio Bern' „D'Zyt isch do"



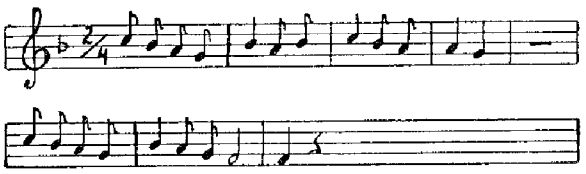
Radio Zürich: „Chum Bueb und lueg dis Ländli a"



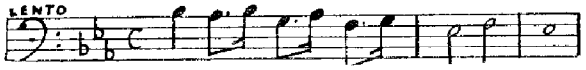
Sottens: Radio Lausanne: "Voici l'ami été"



Radio Genève: „Quelle fatale journée"
chanson de l'Escalade



Monte Ceneri: "Campane delle Chiesa di Pazzalino"



FOREIGN SERVICE:
Schwarzenburg: Short Waves Powers: 25–100 kW.

	kc/s	m		kc/s	m
HER2	6055	49.55	HEI5	11715	25.61
HER3	6165	48.66	HER5	11865	25.28
HEI3	7210	41.61	HER6	15305	19.60
HER4	9535	31.46	HER7	17784	16.87
HEU3	9665	31.04	HER8	21520	13.94

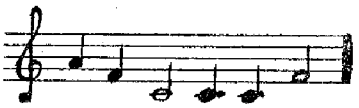
EUROPEAN SERVICE FROM SCHWARZENBURG
In *German, French, Italian, Romanche* on HER3, HER4.
W.: 05.15-06.40, 10.00–13.30 (Sat. 22.30), 15.00–22.30.
Sun.: 05.55–06.40, 07.45–22.30.
News: (G=German, F=French).
05.15 (G), 06.00 (G), 06.15 (F), 11.30 (G), 11.45 (F), 18.15 (F), 18.30 (G), 21.30 (F), 22.20 (G).
Esperanto: Tues. Thurs. 11.55 and 17.35.
European Service rebroadcast to Africa:
05.15 (Sun. 05.55)–06.40 on HER6, 10.00–12.30 on HER8, 16.30–22.30 on HER6.

OVERSEAS SERVICE
E=Europe, A=Australia, NZ=New Zealand, FE=Far East, J=Japan, SEA=South East Asia, Af=Africa, IP=India, Pakistan, ME=Middle East, UK=United Kingdom, Ireland, S.Af=South Africa, NA=North America, S.P.=Spain, Portugal, SA=South America.
English:
07.15–09.45 (to A, NZ, FE) on HER5, HER6, HER7.
12.45–14.30 (to J, SEA) on HER5, HER6, HER7.
14.45–16.30 (to IP) on HER5, HEU3 (to Af on HER6).
16.45–18.30 (to ME) on HER5, HEU3.
18.45–20.30 (to UK) on HER2, HEU3.
01.30–04.00 (to NA) on HER3, HEI3, HER4, HEU3, HER5
News & Commentaries at opening of each transmission.
Features: Request programme. Information Desk. Actuality broadcasts. Symphony. Swiss popular and folk music. Light entertainment. Youth programme with pen-friends' corner, etc.
DX programme is broadcast: Every first Tues. of the month: 19.05 to UK and Ireland, 01.50 and 03.35 to NA; every first Wedn. of the month 07.35 A, NZ; 09.20 A, FE; 13.05 SEA, J; 15.05 J, P; 15.05 Af; 17.05 ME.
Spanish:
21.15–22.30 (to S.P.) on HER2, HEU3.
23.30–01.00 (to SA) on HEI3, HEU3, HER4, HER5, HEI5.
Portuguese:
20.45–21.00 (to S.P.) on HER2, HEU3.
23.00–23.15 (to SA) on HEI3, HEU3, HER4, HER5, HEI5.
Programmes for Swiss living abroad:
Schwizerduetsch: on Fri. to UK, NA, SA; on Sat. to A, NZ, FE, S, Af. *French:* on Mo. to E. UK, NA, SA; on Tues. to A, O, S.Af. *Italian:* on Wed. to UK, NA, SA. on Thurs. to A, O, S.Af.
Announcements: "Switzerland Calling" – "Do Isch d'Schwiz" – "Ici la Suisse" – "Qui e la Svizzera" – "Habla Suiza" – "Aqui Suica" – "Hier spricht die Schweiz" – "Quia eis la Svizzere" – "Parola Svislando".
Interval-Signal: *Schwarzenburg:* "Lueget vo Berg und Thal".

Verification by QSL-card. Programme schedules are available (free of charge) from address: Swiss Shortwave Service, Neuengasse 23, Berne (Switzerland).

BROADCASTS FROM "COMITE INTERNATIONAL DE LA CROIX-ROUGE, GENEVA.
Chief of Broadcasting: Mr. Georges Kuhne.
In peace-time: CJCR organizes transmissions irregularly on frequencies used by the Swiss Broadcasting Organization.
In critical times: CJCR broadcasts from one of the studios belonging to the Swiss Broadcasting Organization programmes containing information of search, and use for this purpose suitable frequencies of the Swiss Broadcasting Organization.

UNO BROADCASTING FROM GENEVA
Address: United Nations Information Center, Genèva. *Cable:* Omnepress.
Station: HBQ. 6675 kc/s 44.94 m 20 kW.
Daily Programs: 18.30 English Bulletin. – 18.45 French Bulletin.
Interval-Signal:



Verification: Reports answered by QSL-cards and letters.

TRIESTE FREE TERRITORY

Number of Listeners: 200.000. **Language:** Italian, Slovene.
Address: Ente Radio Trieste, Piazza Oberdan N. 5, Post Box N. 460, Trieste. *Cable:* Radio Trieste.
Leading Personalities: Director General Herbert Ja-

cobson (American). Deputy Director General W. M. Harrison (British). Director Dr. Guido Candussi (Italian). Deputy Director Luigi Fonda (Italian).

HOME SERVICE:

Trieste I: 1142 kc/s 262.7 m 10 kW *Italian*
W: 06.15–07.30, 10.00–14.00, 16.30–23.00. Sun. 07.00–23.00. *News:* 06.30(W), 12.00, 19.00, 22.15.

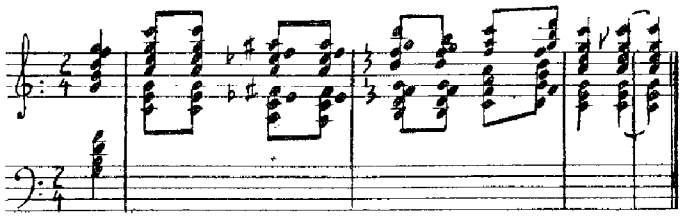
Trieste II: 980 kc/s 306.0 m 2.5 kW *Slovene.*
W: 06.15–07.30, 10.30–13.45, 16.30–23.00. Sun. 07.00–23.00. *News:* 06.15(W), 11.45, 18.45, 22.15.

Trieste 2 (3rd progr.): 1484 kc/s 202.2 m 0.25 kW *Italian*
Relay Italian National Network 06.30(Sun. 07.30)–24.00. *News:* 12.45, 14.00, 17.00, 19.00.

FM-stations: *(see F.M. Stations of the World.)*

Announcement: In *Italian* "Questa e Radio Trieste prima". In *Slovene:* "Tukai je Radio Triest postaja dve".

Interval Signal: *Trieste I:* Motif of a popular Triestine song played on harp:



BRITISH FORCES RADIOSTATION (British-USA Zone)

Address: Via Bellosguardo 8, Trieste.

Station: 1385 kc/s 210.8 m 1 kW.

Daily Programmes: W. 06.30–08.30, 12.00–24.00. Sun. 07.30–24.00.

AMERICAN FORCES STATION (British-USA Zone)

Address: Via Piccardi 16, Trieste.

Station: 1304 kc/s 230 m 1 kW.

Daily Programmes: W. 06.00–08.00, 10.00–24.00. Sat.: 06.00–24.00. Sun.: 09.00–24.00.

RADIO TRIESTE (Jugoslav Zone)

Address: Radio Capodistria, Capodistria Trieste.

Station: 1178 kc/s 254.7 m 6 kW.

Daily Programmes: W. 06.00–07.00, 12.00–15.00, 18.00–23.30. Sun. 07.00–15.30.

U. S. S. R.

Address: Radio Centre, P.O. Box 787, Moscow.

HOME SERVICES

Moscow.

First Programme: 03.05–22.55 (Sun. 23.55).

155 kc/s	1935 m	1) 19, 25, 31 m. b.
173 kc/s	1734 m	2) 31, 41, 49 m. b.
236 kc/s	1271 m	

1) Day; 2) Night.

News: 03.05, 04.00, 05.45, 13.00, 16.00, 20.30, 21.50.

Second Programme: W. 12.00–22.00. Sun. 05.45–22.00.

	kc/s	m		kc/s	m
1)	200	1500	3)	25 m. b.	
2)	548	547.5	4)	31, 41, 49 m. b.	

1) until 16.00; 2) from 16.30; 3) 25 m. b.; 4) 31, 41, 49 m. b.

Third Programme: 16.30(Sun. 16.00)–21.00. 872 kc/s 344 m and 41 m. b.

Interstate Service:

To the Far East: 04.00–10.00 in 19, 25, 31, 49 m.b.; 22.30–23.15 in 41, 31 m.b.

To Western Siberia: 00.00–01.00 (Mo., Sun.) in 49, 41 m.b.

To Ural, Central Asia: 01.00–03.00 in 49, 41, 25 m.b.

Leningrad

I 236 1271 II 800 375 III 1124 267

S.W. 5060, 7340, 7650, 9410, 9600, 9720, 9750, 11630, 17825 kc/s.

Kiev

First Programme: W. 02.55–10.00, 13.30–23.00. Sun. 02.55–24.00 on 209 kc/s (1435 m) and on 6020 kc/s (49.83 m) from 06.30–12.00, 15.00–17.00.

Second Programmes: W. 14.00–15.30. Sun. 10.00–15.30 on 782 kc/s (383.6 m).

Other Medium Wave Stations:

	kc/s	m		kc/s	m
Kowno	154	1948	Dnjepopetrovsk	890	337.1
Baku	218	1376	Lvov	935	321.0
Tbilissi	245	1224	Voronezh	944	318.0
Tashkent	254	1181	Smolensk	971	308.9
Krasnojarsk	263	1141	Kishinev	998	300.6
Minsk I	281	1068.	Tallinn	1034	290.1
Kharkov II	385	779	Harbin	1055	286
Odessa	548	547	Krasnodar	1070	280.4
Riga	575	521.7	Moghilev	1106	271.2
Krasnodar	611	491	Viborg	1124	266.9
Frunze	611	491	Kaliningrad	1142	262.7
Petrozavodsk	611	491	Kursk	1214	247.0
Gorki	620	483.9	Simferopol	1214	247.0
Kharkov I	647	464.0	Tiraspol	1241	242.0
Vilna	665	451.0	Odessa	1241	242.0
Ouchgorod	674	445.1	Ouchgorod	1322	227.0
Rostov	674	445.1	Kuldiga	1349	222.4
Simferopol	674	445.1	Madona	1349	222.4
Moscow	692	434.0	Kowno	1385	216.8
Stalino	710	422.0	Tartu	1403	214.0
Tartu	710	422.0	Gomel	1493	201.0

Other Short wave Stations:

Alma Ata: 6220, 6870, 7480, 9340, 9380 kc/s, 10 kW: 00.45–07.30, 12.00–20.00. – *Ashkabad:* 5970, 6180, 11678 kc/s, 10 kW. – *Erivan:* 7150 kc/s, 10 kW. – *Frunze:* 5060, 5480 kc/s, 25 kW.: 23.55–03.00, 04.00–08.00, 12.00–19.00. – *Grozny:* 5080 kc/s, 10 kW. – *Yakutsk:* 5930 kc/s, 10 kW.: 04.00–14.55, 20.25–23.35. – *Khabarovsk:* 5940, 6020, 7100, 8820, 9378 kc/s, 20 kW. – *Kharkov:* 7330 kc/s, 50 kW. – *Kiev:* 6020 kc/s, 100 kW. – *Komsomolsk:* 9565 kc/s, 25 kW. – *Magadan:* 11690 kc/s, 10 kW. – *Minsk:* 7280, 9500, 15040 kc/s, 100 kW. 02.55–18.00 – *Novosibirsk:* 9690, 15309 kc/s, 15 kW.: 23.00–07.00, 09.55–18.35. – *Petropavlovsk* 6070 kc/s, 10 kW. – *Stalinabad:* 5599, 7198, 7440 kc/s, 25 kW. – *Sverdlovsk:* 13880, 15270 kc/s, 25 kW. – *Tbilissi:* 6050 kc/s, 10 kW.: 02.25–09.20, 13.00–21.05. – *Tashkent:* 6825 kc/s, 15 kW.: (English to India 15.00–15.30, 16.00–16.30). 00.25–10.00, 11.00–21.05.– *Vladivostock:* 5010, 6080, 9480 kc/s, 20 kW. Ulan Bator 6518 kc/s.

EUROPEAN SERVICE

Danish: 17.00–17.15 (Sun. 17.30) in 50, 41 m. b.; 18.30–19.00 in 50, 41 m. b.

English:

06.15–07.00 in 49, 41 m. b.
07.15–08.00 in 49, 31, 19 m. b.
10.00–10.30 in 41, 25, 19 m. b.
16.30–17.00 in 49, 41 m. b.
17.30–18.00 in 49, 41, 227 m. b.
19.00–19.30 in 49, 41, 31, 227 m. b.

19.30–20.00 in 49, 41, 31, 238 m. b.
20.30–21.00 in 49, 41, 31, 238 m. b.
21.30–22.00 in 49, 41, 31, 238, 290, 522 m. b.

French:
11.30–12.00 in 31, 25 m. b.
18.00–18.30 in 49, 41, 31 m. b.
19.30–20.00 in 49, 41 m. b.
21.00–21.30 in 50, 49, 41, 31 m. b.
22.00–23.00 in 50, 41, 31, 238, 240 m. b. *Concert* Mo., Wed., Thurs.

German for Germany:
06.30–07.00 in 31, 49 n. b.; 08.00–08.30 in 31, 49, 227 m. b.; 11.00–11.30 in 25, 41 m. b.; 15.30–16.00 in 41, 216, 227 m. b.; 16.00–16.30 in 41, 49, 216, 227 m. b.; 16.30–17.00 in 41, 49, 227 m. b.; 17.00–21.00 in 41, 49, 216, 227 m. b.; 21.00–22.00 in 49, 216, 227 m. b.

German for Austria:
15.30–16.00 in 41 m. b. (Sun. Concert); 16.00–16.30 in 41 m. b.; 17.00–17.30 in 41 m. b.; 19.30–20.00 in 41, 321, 1068 m. b.

Italian:
05.45–06.00 in 31, 25 m. b.; 11.30–12.00 in 31, 25 m. b.
15.30–16.00 in 31, 25 m. b. (Fri. only).
17.30–18.00 in 31, 25 m.b.; 18.30–19.00 in 31, 25, 300.6
19.30–20.00 in 41, 31, 256.6, 320.9 m. b.
20.30–21.00 in 41, 31, 25, 240, 243.5, 320.9 m. b.
21.30–22.00 in 41, 31, 252.7, 243.5 m. b.
22.00–23.00 in 41, 31 m. b. Mo. Thurs. Sat. *Concert.*

Norwegian:
17.30–18.00 in 49, 375 m. b.; 18.30–19.00 in 49, 375 m. b.
20.00–20.15 in 49, 375 m. b.
21.15–21.30 in 49, 375, 290, 522 m. b.

Spanish: 20.00–20.30 in 49, 41, 31 m.b.; 21.00–21.30 in 49, 48, 41 m.b.; 22.00–23.00 in 49, 41, 31 m.b.

Swedish: 17.00–17.30 in 48, 375 m. b.
19.30–20.00 in 48, 375, 522 m. b.; 20.45–21.15 in 48, 375, 522, 1034 m. b.

OVERSEAS SERVICE

To North America:
23.20–06.00 in 41, 31, 25, 19 m. b.; 13.00–13.30 in 41, 25, 19, 16 m. b.

To Latin America:
23.30–24.00 Portuguese to Brazil in 31 m. b.
00.00–02.00 Spanish in 41 m. b.

To S. E. Asia:
14.00–14.45 *English* in 31, 25, 19 m. b.

To Far East: 09.00–10.00 in 31, 25, 19, 16 m. b.; 10.30–11.00 in 31, 25, 19, 16 m. b.

VATICAN STATE

Address: Radio Station, Vatican City (Stazione Radio Città del Vaticano). *Cable:* Vaticanradio.

Leading Personalities: General Manager, Father Soccorsi Prof. Filippo S. J. Director of Programmes, Father Enrico Perez Garcia S. J.

Station: Radio Vaticano; Santa Maria di Galeria (under construction).

Medium Waves		*Call letters*	*Power*
773 kc/s	388 m*)	HV2	2 kW
1484 –	202.2 –	HV5	5 –
1529 –	196.2 –	HV100	100 – **)

*) daylight hours only. **) under construction.

Short Waves 5/100 kW.

kc/s	m	kc/s	m	kc/s	m
3955	75.85	9550	31.41	15385	19.50
5968	50.27	9646	31.10	17445	17.20
6005	49.96	9660	31.06	17735	16.92
6030	49.75	11685	25.67	17840	16.82
6190	48.47	11740	25.55	21515	13.94
7250	41.38	11940	25.13	21740	13.80
7270	41.27	15095	19.87	25740	11.66
7280	41.21	15120	19.84	25780	11.64

Note: The wave-lengths are subject to change with seasonal variations, or to avoid interference.

DAILY PROGRAMMES - News and Talks

08.00 Sun. on 50.27, 31.10 and 25.55 m
Broadcast Mass in Latin Rite, celebrated for the intentions of Holy Father. Music during the Mass. Gospel homily for 15 mins, after Mass, alternately in different languages.

09.00 Sun. on 31.10, 25.55 and 19.84 m
Oriental Liturgy. Homily in respective languages.

10.15 Sun. on 31.10, 25.55 and 19.84 m.: Religious transmission.

English:
11.00 D. on 31.10, 25.55 m.
15.00 D. on 31.10, 25.55, 19.84 and 196 m.
18.15 D. on 50.27, 31.10, 25.55 and 196 m.
15.30 Tues. on 25.55 and 16.82 m. For India, Ceylon and South Africa.

Italian:
13.30 D. on 50.27, 31.10, 388 and 196 m.
19.30 D. on 50.27, 41.21, 31.10, 202 and 196 m.
15.30 Fri. on 50.27, 31.10, 288 and 196 m. – Transmission for the ills.
07.30 Wed. and Sat. on 16.82, and 13.80 m, For Orient.
10.30 Thurs. on 16.82 and 13.80 m. For Orient.

French:
11.15 D. on 31.10 and 25.55 m
14.30 D. on 31.10, 25.55, 19.84 and 196 m.
18.45 D. on 50.27, 41.21, 31.10 and 196 m.
06.30 Thurs. on 16.82 and 13.80 m. For West Africa.

German:
12.45 D. on 31.10 and 25.55.
14.45 D. on 31.10, 25.55, 19.84 and 196 m.
19.45 D. on 50.27, 41.21, 31.10 m.

Spanish:
14.15 D. on 31.10, 25.55, 19.84 and 196 m.
20.00 D. on 50.27, 41.21, 31.10 m.
21.30 Thurs. on 25.55 and 19.84 m. For Central America.

Polish:
15.15 D. on 31.10, 25.55, 19.84 and 196 m.
19.15 D. on 50.27, 41.21, 31.10 and 196 m.

Czech:
11.30 D. on 31.10 and 25.55 m.
14.00 Tues. on 31.10, 25.55, 19.84 and 196 m.
20.15 D. on 50.27, 41.21, 31.10 m.

Slovac:
12.30 D. on 31.10 and 25.55 m.
14.00 Sat. on 31.10, 25.55, 19.84 and 196 m.
21.00 D. on 50.27, 41.21, 31.10 m.

Hungarian:
11.45 D. on 31.10 and 25.55 m.
14.00 Thurs. on 31.10, 25.55, 19.84 and 196 m.
20.45 D. on 50.27, 41.21, 31.10 m.

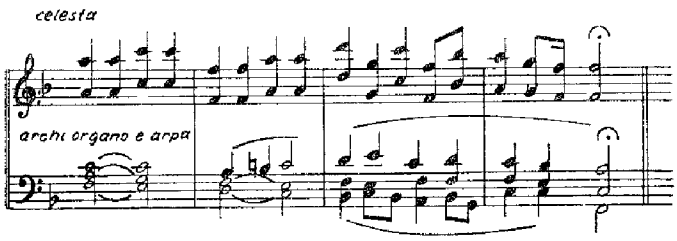
Portuguese:
20.30 D. on 50.27, 41.21, 31.10 m.

Russian:
18.00 Mon., Wed., Fri. on 50.27, 31.10, 25.55 and 196 m.
Rumanian:
14.00 Mon. on 31.10, 25.55, 19.84 and 196 m.
17.45 Wed. and Sun. on 50.27, 31.10, 25.55 and 196 m.
Lithuanian:
14.00 Sun. on 31.10, 25.55, 19.84 and 196 m.
19.00 Mon., Wed., Sat. on 50.27, 41.21, 31.10 and 196 m.
Croat:
14.00 Wed. on 31.10, 25.55, 19.84 and 196 m.
17.00 Sun. on 50.27, 31.10, 25.55 and 196 m.
18.00 Tues. and Sun. on 50.27, 31.10, 25.55 and 196 m.
Albanian:
17.45 Tues., Thurs and Sat. on 50.27, 31.10, 25.55 and 196 m.
Bulgarian:
17.30 Mon. and Thurs. on 50.27, 31.10, 25.55 and 196 m.
Latvian:
17.45 Mon. and Fri. on 50.27, 31.10, 25.55 and 196 m.
Estonian:
D. 17.15 on 50.27, 31.10, 25.55 and 196 m.
Ukrainian:
19.00 Tues. and Fri. on 50.27, 41.21, 31.10 and 196 m.
Dutch:
14.00 Fri. on 31.10, 25.55, 19.84 and 196 m.
19.00 Thurs. and Sun. on 50.27, 41.21, 31.10 and 196 m.
Arabic:
17.30 Tues., Sat., Sun. on 50.27, 31.10, 25.55 and 196 m.
Abyssinian:
17.15 Tues., Fri. on 50.27, 31.10, 25.55 and 196 m.
Byelorussian:
17.30 Fri. on 50.27, 31.10, 25.55 and 196 m.
Slovene:
17.00 Sun. on 50.27, 31.10, 25.55 and 196 m.
18.00 Thurs. and Sat. on 50.27, 31.10, 25.55 and 196 m.
Chinese:
07.30 Thurs. on 16.82 and 13.80 m.
Latin:
07.30 Mo. on 50.27, 31.10 m.
08.00 Thurs. on 50.27, 31.10 m.
10.00 Sat. on 31.10, 25.55, 19.84 m.
10.30 Tues. on 31.10, 25.55, 19.84 m.
17.30 Wedn. on 50.27, 31.10, 25.55 and 196 m.
21.15 Fri., Sun. on 50.27, 41.21, 31.10 m.
Musical Programmes:
17.00 Thurs. on 50.27, 31.10, 25.55, 202 and 196 m.

Announcement: In English: "Laudatur Jesus Christus. This is the Vatican Radio".

Opening-Signal: The bells of St. Peter's.

Interval-Signal: Carillon-Melody "Christus Vincit" executed on the celesta with orchestral accompaniment.



Message to Listener: Listeners' comments welcomed and answered. Address letters to: Vatican Radio, Vatican City. Return postage not required.

YUGOSLAVIA

Number of Listeners: 354.021.

Address: Yugoslav Radiodifusion, Knez Mihajlova 19. Belgrade. For Listener's Letters: Odbor za radiodifuziju, Knez Mihajlova 19, p.f. 284 Beograd.

Leading Personalities: The President of the Broadcasting Committee Mr. Draza Markovic, The Vice-President of the Broadcasting Committee Mr. Vojin Popovic. Director of Radio Yugoslavia Miss Olga Kreacic.

Stations:	kc/s	m	kW
Yugoslavia	1268	236,6	20
–	6100	49.18	10/100
–	6150	48.78	–
–	6150	48.78	–
–	7200	41.67	–
–	7240	41.44	–
–	9505	31.56	–
–	9620	31.19	–
–	11735	25.56	–
–	11895	25.22	–
–	15240	19.61	–
–	17800	16.85	–
–	21680	13.84	–
Belgrade I	683	439.2	150
Belgrade II	1484	202.1	1.5
Zagreb	1133	264.7	135
Ljubljana I	917	327.1	135
Ljubljana II	1594	188.2	0.2
Sarajevo	611	490.9	20
Skopje	809	370.8	20
Titograd	881	340.5	20
Adjovscina	809	370.8	0.8
Maribor	1412	212.4	5
Novi Sad	1412	212.4	6
Bitola	1412	212.4	1
Pristina	1412	212.4	2
Dubrovnik	1412	212.4	0.8
Rijeka	1484	202.1	1.5
Osijek	1484	202.1	0.8
Zajecar	1484	202.1	0.3
Nis	1412	212.4	1.5
Slavonski Brod	1484	202.1	0.07

HOME SERVICES:

Belgrade I: W.: 04.00–06.05, 11.00–23.00. Sun. 04.30–23.00.
News: 05.15, 12.00, 14.00, 16.00, 21.00, 23.00. *National Songs and Dances:* 18.30 Mo., Fri., Sun. *Opera:* 19.00 Thurs.

Belgrade II: W.: 17.30–23.00. Sun. 00.00–14.00, 17.30–23.00.

R. Zagreb: W.: 04.00–06.35, 12.00–23.00. Sun. 05.30–23.00. *News:* 04.15, 05.15, 14.00, 17.00, 21.00.

R. Ljubljana I: W.: 04.30–06.30, 11.00–22.10. Sun. 05.00–22.00. *News:* 04.30, 05.30, 11.30, 14.00, 21.00.

R. Skopje: W.: 05.00–07.00, 12.00–21.40. Sun. 05.00–21.00.

R. Sarajevo: W.: 04.30–06.00, 13.00–22.00. Sun. 05.00–22.00.

R. Titograd: W.: 16.30–22.00. Sun. 04.30–10.30, 16.30–21.30.

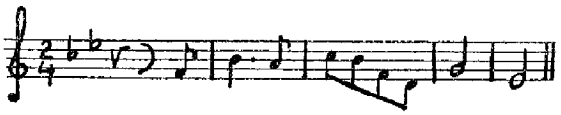
FOREIGN SERVICE FROM R. YUGOSLAVIA

English: 06.30–06.45 on 6100, 9505 kc/s. 16.00–16.15 on 6100, 7200 kc/s. 18.15–18.30 on 6100, 6150 kc/s. 21.45–22.00 on 6100, 6150 kc/s.

French: 06.45–07.00 on 6100, 9505 kc/s. 18.00–18.15 on 6100, 6150 kc/s. 22.15–22.30 on 1268, 1133 kc/s.
German: 13.30–13.45 on 6100, 7200 kc/s. 17.45–18.00 on 1268, 6100, 6150 kc/s. 22.00–22.15 on 6100, 6150 kc/s. 22.15–22.25 on 917 kc/s.
Russian: 04.30–05.00 on 9505, 6100 kc/s. 05.45–06.15 on 9505, 6100 kc/s. 15.30–15.45 on 7200, 6100 kc/s. 16.45–17.00 on 7200, 6100 kc/s. 19.00–19.30 on 6150, 6100 kc/s. 20.30–20.45 on 6150, 6100 kc/s. 22.15–22.45 on 683, 7240, 6150, 6100 kc/s.
Spanish: 06.15–06.30 on 6100, 9505 kc/s. 19.45–20.00 on 6100, 6150 kc/s. 23.15–23.45 on 683 kc/s. 23.30–23.45 on 6100, 6150 kc/s.
Greek: 18.15–18.30 on 1268 kc/s. 19.45–20.00 on 1268 kc/s.
Albanian: 05.45–06.00 on 1268 kc/s. 12.30–12.45 on 6100 kc/s. 14.00–14.15 on 1268, 6100, 7200 kc/s. 16.45–17.00 on 1268, 881 kc/s. 18.00–18.15 on 1268 kc/s. 20.30–21.00 on 1268, 881 kc/s.
Bulgarian: 04.30–04.45 on 1268 kc/s. 04.40–04.55 on 809 kc/s. 13.00–13.15 on 6100, 7200 kc/s. 14.30–14.45 on 1268, 6100, 7200 kc/s. 16.00–16.15 on 1268 kc/s. 17.00–17.15 on 1268, 6100 kc/s. 19.00–19.30 on 1268 kc/s. 21.45–22.00 on 1268, 809 kc/s.
Czech: 05.15–05.30 on 1268, 6100, 9505 kc/s. 16.15–16.30 1268, 6100, 7200 kc/s. 10.30–10.45 on 1268, 6100, 6150 kc/s. 21.00–21.30 on 1268, 6100, 6150 kc/s. 22.00–22.15 on 1268, 1133, 7240 kc/s.
Slovak: 15.15–15.30 on 6100, 7200 kc/s. 17.15–17.30 on 1268, 6100, 6150 kc/s.
Hungarian: 05.30–05.45 on 1268, 6100, 9505 kc/s. 13.15–13.30 on 6100, 7200 kc/s. 14.45–15.00 on 1268, 6100, 7200 kc/s. 17.30–17.45 on 1268, 6100, 6150 kc/s. 20.00–20.30 on 1268, 1484, 6100, 6150 kc/s. 22.30–22.45 on 1268, 1133 kc/s.
Rumanian: 04.45–05.00 on 1268 kc/s. 12.45–13.00 on 6100, 7200 kc/s. 14.15–14.30 on 1268, 6100, 7200 kc/s. 16.30–16.45 on 1268, 6100, 7200 kc/s. 18.30–19.00 on 1268, 6100, 6150 kc/s. 21.30–21.45 on 1268, 6100, 6150 kc/s.
Polish: 05.00–05.15 on 1268, 6100, 9505 kc/s. 13.45–14.00 on 6100, 7200 kc/s. 15.45–16.00 on 6100, 7200 kc/s. 20.45–21.00 on 6100, 7200 kc/s. 22.00–22.25 on 917 kc/s. 22.45 23.00 on 1268, 683, 1133, 6100, 6150, 7240 kc/s.
Serbian:: 03.00–03.45 (music) on 15240, 9505 kc/s. Mo. only. – 03.45–04.15 on 15240, 9505 kc/s. – 15.00–15.15 on 6100, 7200 kc/s. – 23.00–23.30 on 1268, 6100, 6150 kc/s.

Announcement: Medium waves: "Ovde Radio Reograd", "Ovde Radio Zagreb".
Shortwaves: "Here is Belgrade, Radio Yugoslavia speaking". "Ici Belgrade Radio Yugoslavie" etc.

Interval-Signal: Musical signal of Radio Yugoslavia and Radio Belgrade, the beginning of the "Internationale".



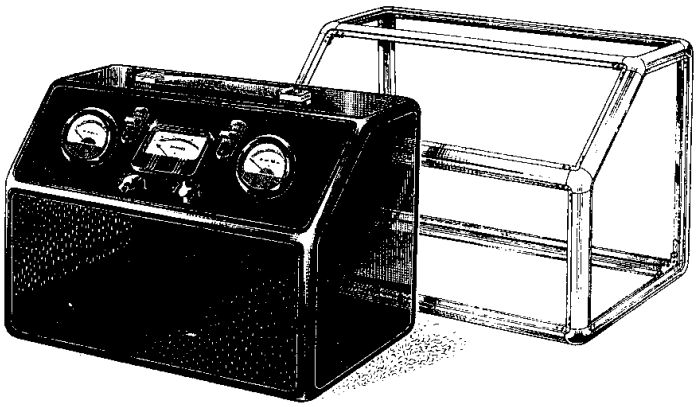
Verification by letter.

Do you ever listen to

RADIO NORWAY?

The transmissions are to a great extent aimed at keeping Norwegians abroad and the members of the Norwegian Merchant Marine, which is roaming the Seven Seas, informed about the latest happenings in their homeland. But the last 15 to 20 minutes of each of the six daily transmissions beamed towards all parts of the Globe will usually consist of Norwegian music, which is introduced in English as well as in Norwegian. And every Saturday, and also very often on Wednesdays, the last half hour of the transmissions will be a letter box programme, in which is played listeners' request records. Just write to RADIO NORWAY, SHORT WAVE DIVISION, OSLO, NORWAY. For technical details, see page 44. Every Sunday an additional 20 minute programme in English, NORWAY THIS WEEK, is added to all the special transmissions.

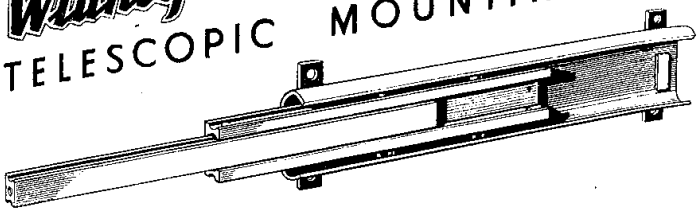
Widney-DORLEC



CABINET SYSTEM

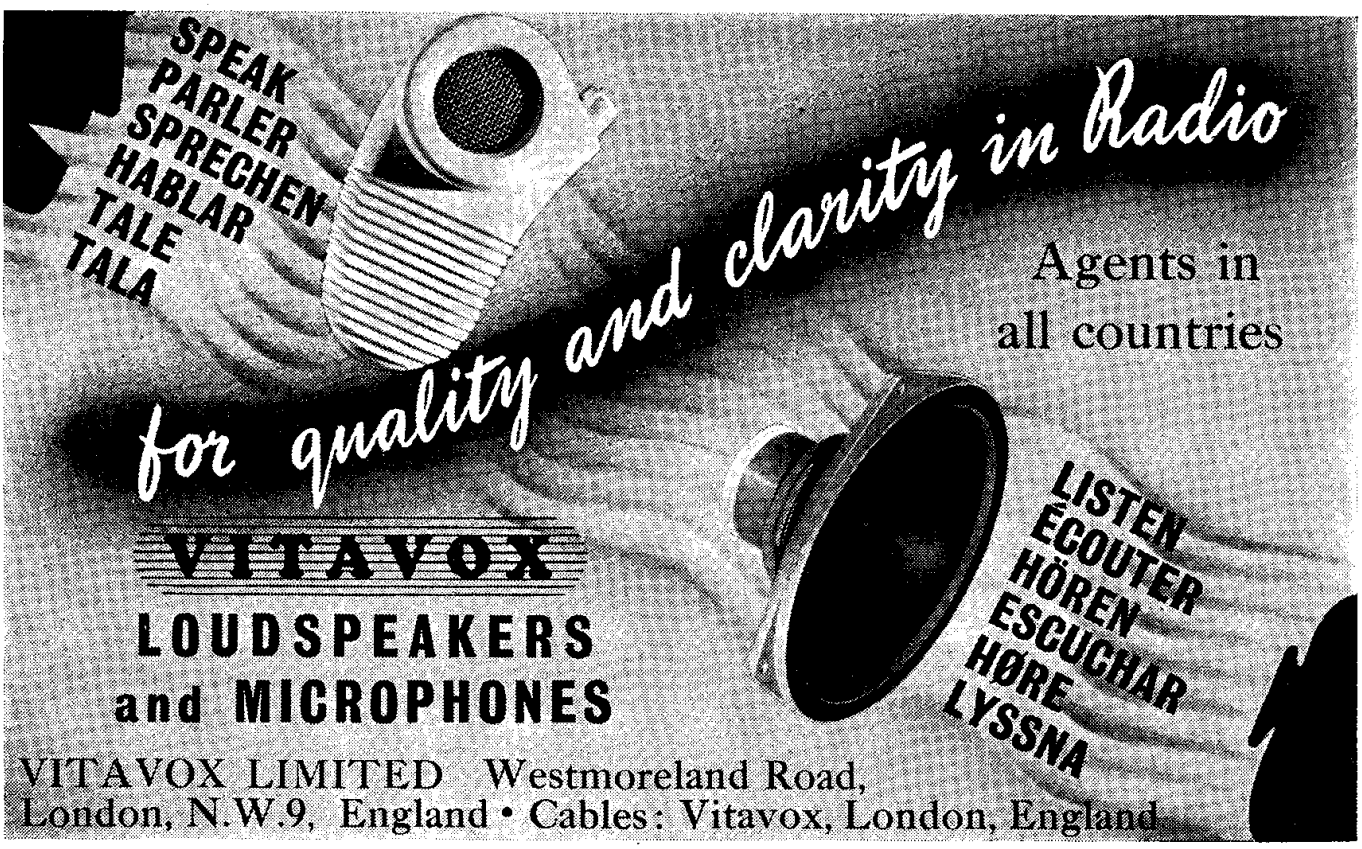
The Widney-Dorlec Cabinet System consists of a series of prefabricated diecast corners, extruded sections and various other components which enable modern fully radiused cabinets, etc., etc., to be built without special tools.

Widney TELESCOPIC MOUNTINGS



Telescopic Mountings offer the most convenient means of obtaining complete accessibility of rack mounted equipment as each chassis can be withdrawn completely clear of its framework for easy examination.

HALLAM, SLEIGH & CHESTON LIMITED
WIDNEY WORKS · BAGOT ST · BIRMINGHAM · 4
ENGLAND



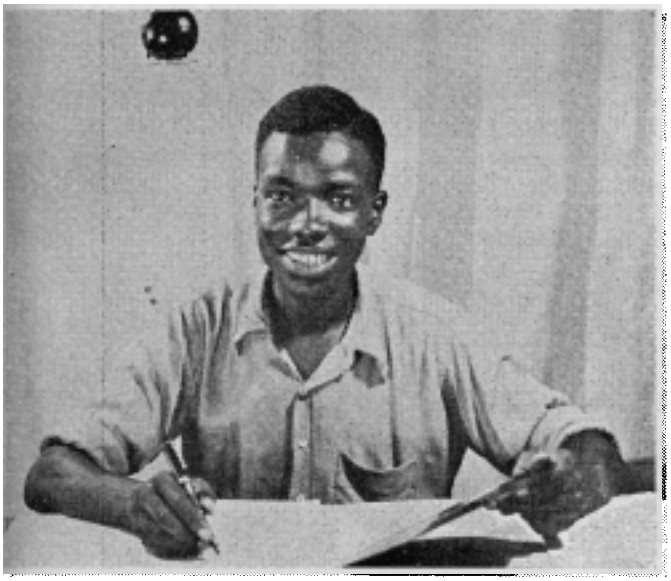
advertisement Hallam Sleigh & Cheston Vitavox

The Swedish Short Wave Service: Mr. Sven-Bertil Morberg, Director of the Swedish Short Wave Service.

The Swiss Short Wave Service: Mr. Paul Borsinger, Director of the Swiss Short Wave Service.

Southern Rhodesia: Announcer Miss June Tobin, who presents all Request Programmes.

Southern Rhodesia Broadcasting Service: Studio Controller Mr. John Parry.



Tanganyika. Dar-es-Salaam: Chief-Announcer Mr. A. S. Njelekela.

Radio Brazzaville: The native announcer Mlle Félicité. (right)

Pan American Broadcasting System. Tangier: Spanish Announcer Senora Pilar Martinez. French Announcer Mlle Fiorella Gréze.

Northern Rhodesia Lusaka: Alick Nkhata's quartet. One of the most popular items in the programmes. Alick Nkhata has a reputation as a musician far beyond the boundaries of N. Rhodesia. Many of the songs are based on the traditional songs and folk dances of the Bantu of S. Rhodesia.

Sweden Switzerland Sven-Bertin Morberg Paul Borsinger Southern Rhodesia June Tobin John Parry Tanganyika A.S. Njelekela Radio Brazzaville Congo Mile Felicite Tangier Pan American Broadcasting Pilar Mertinez Mile Florella Greze Northern Rhodesia Lusaka Alick Mkhata Quertet

AFRICA

ALGERIA (French).

Number of Listeners: approx. 250.000.
Address: Radiodiffusion Francaise, 10 rue Hoche, Alger.
Leading Personalities: Director Regional: Mr. H. Gaynaud. Chief Engineer: Mr. Godin. Director of Programmes: Mr. Vandelle. Administrator: Mr. Robert. Chief Editor: Mr. Godivean.

HOME SERVICE

French Network: W. 06.30–08.30, 12.00–14.00 (Thurs. 15.40), 17.30–23.00 (Sat. 24.00). Sun. 07.00–23.00. *On s.w.:* 20.00–23.00 (Sat. 24.00).

Algiers I	980 kc/s	306.1 m	50	kW
Constantine I	1142 –	262.7 –	20	–
Oran I	1142 –	262.7 –	5	– *)
Algiers O.C2	9570 –	31.34 –	25	–

*) to be increased to 40 kW in 1953.
News: 06.30(W), 07.30, 12.00, 12.45, 14.00, 18.30, 20.00, 22.50.

Arab Network: W. 06.30–07.30, 11.40–13.45 (Thurs. 15.00), 18.00–22.45 Sun.: 07.00–09.30, 11.40–14.45. 18.00–22.45. *On s. w.:* 20.00–22.45.

Algiers II	890 kc/s	337.1 m	50	kW
Oran II	1304 –	230.0 –	0.25	– *
Constantine II	1304 –	230.0 –	20	–
Algiers OC1	6145 –	48.82 –	25	–

*) to be increased to 40 kW in 1953.
News: 07.15, 12.00, 12.25, 19.30, 20.00, 22.10.

Kabyl Network: W. 06.30–07.30, 12.00–13.00 (Fri. 14.00), 18.30–20.00. Sun. 07.00–08.00, 12.00–13.30, 18.30–20.00. *On s. w.:* 18.30–20.00.

Algiers III	1421 kc/s	211.2 m	5	kW
Fort National	1484 –	202.2 –	0.75	–
Algiers OC1	6145 –	48.82 –	2.5	–

News: 07.20, 12.05, 18.00.
Announcement: in *French:* "Ici Radio-Algérie. La Radiodiffusion française en Algérie vous parle d'Alger. Nous émettons sur... Mmes, Melles, Messieurs, Bonjour".
Interval-Signals: *French network:* Before and after *each transmission* extract from the melody: "La Casquette du pére Bugeaud".
Verification by QSL-card. Return postage is suggested.

ANGOLA (Portuguese West Africa)

Language for all stations: Portuguese.

RADIO CLUB DE BENGUELA

Address: Caixa Postal No. 60. Benguela.
Leading Personalities: President: Mr. E. Simoes de Abreu. Vice President: Mr. A. P. Marques.
Home Service: 06.00–07.00, 11.15–12.45, 17.30–20.00.

CR6RF	4830 kc/s	62.11 m	1	kW
CR6RB	5042 –	59.48 –	1	–
CR6RB	7161 –	41.89 –	1	–
CR6RB	9165 –	32.62 –	1	–
CR6RF	9502 –	31.57 –	0.35	–

Announcement: "Radio Club de Benguela, Africa Ocidental Portuguesa".
Interval Signal: Xylophone and Gong.
Verification by QSL-letter.

RADIODIFUSORA LOBITO (Commercial)

Address: Estacao Radio Difusora CR6AA, P.O.Box 103, Lobito. *Cable:* Radiodifusora.
Leading Personalities: Owner: Mr. Alvaro de Carvalho. Announcer: Mr. M. Lopes. Portuguese Announcer: Mr. M. de Fatiana Mesquita. Engineer Mr. A. Carvalho.:
Home Service: CR6AA 7106 kc/s 42.22 1 kW, 7177 kc/s 41.80 m 1 kW.
Portuguese: W: 05.15–06.00, 10.30–12.00, 18.00–20.00. Sun.: 10.30–11.00, 18.00–19.00 (*English*).
Announcement: *Portuguese:* "Aqui Lobito, Angola, Africa Ocidental Portuguesa". *English:* "This is Lobito, Angola, Portuguese W.Africa, s.w. broadcasting st. CR6AA".
Interval Signal: 3 chimes. **Verification** by QSL-card.

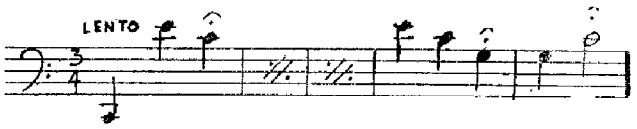
RADIO CLUBE DE ANGOLA

Address: C. P. 229, Luanda. *Cable:* "Radangola".
Leading Personalities: President: Manuel de Albuquerque e Castro. Director of Programmes: Albano Martins da Costa. Chief-Engineer: José Francisco Duarte Ferreira. Administrator: Henrique Moreira.

HOME SERVICE in Portuguese:

	kc/s	m	kW	
CR6RA	4869	61.61	0.25	06.00–07.15 (Sun.
CR6RL	7142	42.01	1	08.00–10.00), 11.30–
CR6RN	9632	31.15	1	13.30, 17.30–21.30 (Sun. 20.30).
"Voz de Angola"	11862	25.29	10	18.30–22.30.

News: 06.20, 12.00, 19.20. *Portuguese Music:* 18.40, 20.00, 20.30, 22.15. *Actualities:* Sat. 19.20.
Announcement: "Aqui Radio Clube de Angola, a vossa estaçao" or "Radio Clube de Angola, Luanda, Africa Ocidental Portuguesa".
Interval-Signal:



Verification by QSL-card. Return postage not required.

RADIO CLUB DE MALANGE

Address: Caixa Postal No. 83, Malange.
Home Service: CR6RE 7140 kc/s 42.02 m 0.6 kW
Weekdays: 12.00–12.45, 17.30–19.45. – *Sun.:* 07.00–08.00, 12.30–13.30. – **Verification** by QSL-card.

RADIO CLUB DO HUAMBO

Address: Caixa Postal 125, Nova Lisboa.
Home Service: 11.00–12.45, 18.00–20.30.

CR6RD	7152 kc/s	41.95 m	0,15 kW
CR6RQ	11928 kc/s	25,16 m	1 kW

News: 11.30, 18.45. – "*The Voice of Huambo*": Sun. 18.10.
Announcement: "Aqui Nova Lisboa, Radio Club do Huambo".

RADIO DIAMANG. (Angola Diamond Comp.).

Address: Companhia de Diamantes de Angola, Dundo.
Leading Personality: Director Mr. Geral na Lunda.
Home Service: CR6RG 1 kW. W: 18.00–19.30. Sun.: 10.30–12.00. No news.
4770 kc/s 62.89 m 6870 kc/s 43.63 m* 8300 kc/s 36.10 m 9340 – 32.10 – * most used frequency.
Announcement: "Aqui Dundo, Angola, Africa Ocidental. Portuguese, Estaçao Emissora CR6RG, Radio Diamang".
Interval-Signal: At opening notes from "quissange" played on native musical instrument. At close down chimes followed by Portuguese National Anthem.
Verification by QSL-card.

RADIO CLUBE DE HUILA

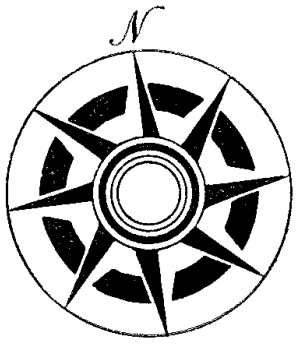
Address: Caixa Postal No. 111, Sá da Bandeira.

AFRICA AND NEAR EAST

LISBON
PORTO DELGADA
SEVILLA
HUELVA
BONE
TANGIER
ORAN
ALGIERS
CONSTANTINE
TUNIS
TETUAN
RABAT
CAS ABLANCA
TENERIFE
SANTA CRUZ
LAS PALMAS
TRIPOLIS
BENGHAZI
VALLETTA
LIMASSOL
ISTANBUL
ANKARA
TÆBRIZ
ALEPPO
TEHERAN
BEIRUT
TEL AVIV
DAMASCUS
BAGHDAD
JERUSALEM
ALEXANDRIA
CAIRO
ASSIUT
DJEDDAH
MECCA
SANAA
ADEN
DAKAR
PRAIA
BISSAU
MONROVIA
RADIO CHAD
OMDURMAN
HARGEISA
ADDIS ABABA
ACCRA
LAGOS
DOUALA
MOGODISHU
NAIROBI
SAO TOME
BRAZZAVILLE
LEOPOLDVILLE
ELISABETHVILLE
DAR-ES-SALAAM
LUANDA
LOBITO
BENGUELA
LUSAKA
SALISBURY
BEIRA
TANANARIVE
PRETORIA
JOHANNESBURG
MAFEKING
PIETERMARITZBURG
BLOEMFONTEIN
LOURENÇO MARQUE
ST. DENIS REUNION
P LOUIS MAURITIUS
DURBAN
KIMBERLEY
CAPE TOWN
GRAHAMSTOWN
PORT ELISABETH

Upper: **Radio Brazzaville:** Chief of the Danish Section Mr. Chr. Adigard des Gautries and "The Danish Voice from Africa Miss Agnete Corquil. Mr. Adigard des Gautries was born in Denmark but has lived most of his life in France.

Left: **Radio Lusaka, Northern Rhodesia:** "Africa Forum" in course of broadcast This is a popular Discussion programme which is broadcast from Radio Lusaka every Monday at 18.30. The photograph shows the Chairman and four speakers discussing the question "Should African women take on paid employment in European households".



map Africa Near East Radio Brazzaville Congo Chr. Adigard des Gautries Agnete Corquil Northern Rhodesia Radio Lusaka

Leading Personalities: President: Mr. C. F. Sartoris Galrao. General Manager: Mr. Christiano Lorena.
Home Service: W: 11.15–12.45, 18.30–21.30. Sun.: 11.30–12.45, 17.00–18.30.

CR6RH	5024 kc/s	59.71 m	0.04 kW
CR6RJ	6200 –	48.39 m	1 –
CR6RJ	9755 –	30.76 –	1 –

Interval-Signal: Marimba. **Verification** by letter.

RADIO CLUB DE MOCAMEDES
Address: Caixa Postal No. 174, Mocamedes.
Home Service: 11.45–12.30, 19.30–20.30.
CR6RM 7230 kc/s 41.49 m 1 kW
Verification by letter.

RADIO CLUB DO BIE
Address: Caixa Postal 33, Silva Porto.
Home Service: 11.45–12.45, 16.30–18.30.
CR6RO 7203 kc/s 41.65 m 1 kW
Verification by QSL-card.

RADIO CLUBE DO SUL ANGOLA
Address: Caixa Postal 56, Lobito.
Home Service: CR6RK 7180 kc/s 41.78 m 0.75 kW
Daily Programmes: 11.00–12.30, 16.30–19.00, 20.00–22.00.

RADIO CLUBE DO CUANZA SUL
Address: Caixa Postal Nr. 10, Novo Redondo.
Leading Personality: President Mr. Alvaro Peyroteo.
Home Service: 12.00–13.45, 18.30–20.45, on 7806 kc/s 38.43 m 0.25 kW.
Verification by QSL-card or letter.

AZORES

EMISSORA NACIONAL
Address: Emisora Regional dos Açores, Emisora Nacional, Ponta Delgada. San Miguel.
Leading Personality: C. C. de Lima Araujo.
Home Service: CSA93 4865 kc/s 61.66 m 1 kW
CSA92 11090 – 27.05 m 1 –
Daily Programmes in *Portuguese.* (S. one hour earlier). 4865 kc/s: 22.00–24.00. 11090 kc/s: 20.00–21.00.
News: 20.30, 22.30 exc. Sun. – *Traditions in the Azores* by Dr. Carreiro da Costa. Fri. 23.00, Sat. 20.45.
Announcement: "Aqui Portugal Ponta Delgada, Emisora Regional dos Acores da Emissora Nacional".
Verification by letter.

EMISSORA DO CLUB AZAS DO ATLANTICO
Address: Aeroporto de Santa Maria.
Leading Personality: Dr. Antonio Sanches Branco.
Home Service: 23.00–01.00. *News:* 24.00.
CSB81 1571 kc/s 191 m 1 kW
Verification by letter.

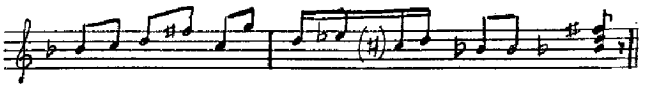
BELGIAN CONGO

THE INTERNATIONAL GOODWILL STATION OTC (see Belgium).

RADIO CONGO BELGE. (Government owned station).
Address: P. O. Box 3171, Leopoldville – Kalina.
Leading Personalities: Mr. Karel Theunissen. Head of native section: Mr. G. van Herrenweghe.
Home Service:

OTM4	6295 kc/s	3.0 kW	OTH	11670 kc/s	7.5 kW
OTH	9210 –	7.5 –	OTM2	11720 –	20 –
OTM	9380 –	20 –			

For Europeans: (F=French, Fl=Flemish, P=Portuguese).
6295 kc/s: 05.00–06.30, 10.15(Sun. 10.00)–12.30, 15.30–21.00.
9380 kc/s: 05.00–06.30, 15.30–21.00.
11720 kc/s: 10.15(Sun. 10.00)–12.30, 18.45–21.00.
News: 05.00(F), 05.10(Fl), 06.00(F), 06.10(Fl). 10.30(F), 10.38(Fl), 11.30(F), 11.38(Fl). 11.50(P), 18.00(Fl), 18.45(F), 20.45(F), 20.53(Fl).
Colonial talks: Wed. 17.30(Fl), Thurs. 17.30(F).
For Natives:
9210 kc/s: 11.30–13.00(W), 16.30–18.30 (daily).
11670 kc/s: 11.00–13.00 (Sun. & holidays).
News: 16.45 (in one of the four native languages). 18.45(F).
Announcement: In *French:* "Ici Radio Congo Belge". In *Flemish:* "Hier Radio Belgisch Kongo".
Interval-Signal: Native xylophone beat.



Verification by QSL-card.

RADIO-COLLEGE
Address: Radio College, B. P. 296, Elisabethville.
Leading Personality: Rév. Perés Salésiens de Don Bosco.
Stations: Elisabethville OQ2AC, 0,25 kW.
3390 kc/s 88.50 m 7200 kc/s 41.67 m
4980 – 60.24 –
Daily Programmes in *French:*
W: 16.30–17.30. Sun.: 07.00–09.00 – "*Séance Recréative*": Mo. 16.30–17.00. – *Concert:* Sun. 08.00. *High Mass:* Sun. 07.00. – *News:* 17.25.
In Flemish every second Fri.
Announcement: "Ici Radio-College Station Privée de radiodiffusion, située au Collége Saint Francois de Sales a Elisabethville, Congo Belge".
Verification by QSL-card.

RADIO LEO
Address: Collège Albert Ier, Kalina Léopoldville.
Stations: OQ2AA 5 kW.
11720 kc/s 25.60 m 15170 kc/s 19.77 m.
Daily Programmes (French): 08.00–10.00 (Sun. only).
Announcement: "Ici Radio Léo, Léopoldville, Congo Belge, station privée de Radiodiffusion."

RADIO ELISABETH
Address: A. F. M. Schovens, Box 1039, Elisabethville.
Stations: Elisabethville, OQ2AB, 0,25 kW.
7150 kc/s 41.96 m – 11900 kc/s 25.21 m
Daily Programmes: 13.00–15.00 (Sun. only).
Verification by QSL-card.

CAMEROON (French).

Address: Bureau de l'Information, Service de la Radiodiffusion, Douala.
Leading Personality: Director Mr. F. Faurnier.
Station: 9657 kc/s 31.07 m – 7280 kc/s 41.2 m – 1 kW. 17.45–20.00.
Announcement: Ici R. Douala. **Verification** by letter.

CANARY ISLANDS

Radio Club de Tenerife.
Address: P.O.Box 225, Santa Cruz de Tenerife. *Cable:* Radio Club.
Leading Personalities: President Mr. J. G. Sanjuan. Vice-

President Mr. J. A. Delgado. Secretary Mr. E. D. Exposito.

HOME SERVICE in Spanish:
1412 kc/s 212.4 m 0.4 kW 12.30–15.00, 18.00–23.00.
FOREIGN SERVICE in Spanish:
7295 kc/s 41.12 m 0.25 kW 21.00–22.45.
News: 14.15, 21.00, 22.45. – Every Mo. 22.00–23.00 Revisto Mencev (Talks about Tenerife). Local music.
Announcement: "Transmite Radio Club de Tenerife, Sta Cruz de Tenerife, Islas Canarias". **Interval-Signal:** Before every broadcast: "Los Voluntarios" – and at 22.00 "Islas Canarias". **Verification** by QSL-card.

CAPE VERDE ISLANDS

Addresses: Direccao do Radio Club de Cabo Verde, Praia. Direccao do Radio Club, Mindelo, St. Vincente.

HOME SERVICE

Praia CR4AA	7115 kc/s	42.16 m	0.4 kW
St. Vincent CR4AB	7180 –	41.78 –	0.03 –

Daily Programmes in *Portuguese*: On 5895 kc/s: 20.30–22.00. News 20.30. On 7180 kc/s: 22.30–24.00.
Announcement: CR4AA "Aqui Praia, R. Clube de Cabo Verde".
Verification by QSL-card or letter.

EGYPT

EGYPTIAN STATE BROADCAST
Address: Egyptian State Broadcasting, Broadcasting House, Cairo.
Stations:

Cairo I	620 kc/s	483.9 m	20 kW	Main progr.
Assiut	731 –	410.0 –	1 –	Arabic only
Cairo	9555 –	31.39 –	10 –	European progr.
Cairo	11815 –	25.39 –	10 –	Experimental.

HOME SERVICE:
English, French:
W. 10.30–12.00, 15.00–21.00 (Sat. 22.00). Sun. 07.00–12.00, 15.00–22.00. – *News: English:* 11.30, 18.30, *French:* 11.20, 18.20, *Italian:* 18.50, *Greek:* 11.40, 18.40.
In Arabic:
Mo., Sat.: 06.00–06.35, 08.30–13.10, 15.00–21.45. Sun., Tues., Wed., Thurs.: 08.30–10.30, 12.00–13.10, 15.00–21.45. Fri.: 06.30–10.25, 10.45–11.25, 15.00–21.45.
European Progr. on 9555, 11815 kc/s from 18.20–21.10.
Announcement: "This is Cairo calling" in English, French, Greek, and Italian. In Arabic: "Hona El Kahera".
Interval-Signal: Camell bells. – **Verification** by QSL-card.

ETHIOPIA

Address: Ministry of Press and Information, Box 127, Addis Ababa.
Stations: *Addis Ababa* ("The Voice of Ethiopia").
6419 kc/s 46.72 m 1 kW – 9610 kc/s 31.19 m 1 kW 15062 kc/s 19.92 m 2.5 kW.
Daily Programmes:
In *English:* 14.45–16.15 (Sun.) W. 15.20–16.00, 18.00–19.00. Test transmissions at various times and different frequencies. – **Verification** by letter.

FRENCH EQUATORIAL AFRICA

CENTRE DE BRAZZAVILLE
Address: Radio Brazzaville and Radio A.E.F., Box 108, Brazzaville. *Cable:* Infolib.
Leading Personalities: Director Mr. A. Bazire. Chief Engineer Mr. A. Asse and F. Defroyenne. Chief of Foreign Transmissions Mr. C. D. Joos. Chief Editor Mr. P. Barret. Danish Programmes Mr. Chr. Adigard des Gautries.
STATIONS:
Poste National: 9440 kc/s 31,78 m 7 kW – 11970 kc/s 25.06 m 50 kW – 15595 kc/s 19.23 m 50 kW.
Radio A.E.F.:
1484 kc/s 202 m 0.8 kW 9970 kc/s 30.08 m 1.5 kW 6024 – 49.80 – 4.5 – 17840 – 16.82 – 1.5 –
Radio Chad: 15595 kc/s 19.23 m 4.5 kW
Poste National:
05.00–07.15 on 11970, 9440. *News in French* to Europe, N. East 05.00, 06.00, 07.00. *News in English* to W. U.S.A. 05.30.
10.00–12.20 on 15995, 9440 kc/s. *News in French* to Europe, N. East 11.30, 12.15. *News in English* to Africa, N. East 10.15.
16.00–18.00 on 11970, 9440 kc/s. *News in French* to F. East 17.00. *News in English* 16.00.
18.00–21.00 on 11970, 9440 kc/s *News in French* to Europe, Africa 18.30, 20.30. *News in English* 18.15, 20.50. *News in Portuguese* 19.15. *Africa today:* Sun. 18.15.
21.00–23.00 on 11970, 9440 kc/s *News in French* to N. America 21.15. *News in English* to E. USA 22.45. *Africa today* Sun. 22.45 – 23.00–01.30 on 11970, 9440 kc/s. *News in French* to S. America 01.15. *News in Portuguese* to Africa, Portugal, Bsazil 24.00. – *News in Spanish* to S. America 01.00.
English Mailbag: Thurs. at 05.25, 18.25, 22.55 after the news in English. Every Wednesday at 20.00 15 minutes in either *Danish* (every 2 weeks), *Swedish* (every 4 weeks) or *Dutch* (every 4 weeks). All these transmissions are on 11970, 9440 kc/s. Other programmes mainly music.
Radio AEF (for local listeners).
News in French: 12.00, 19.00. *Play:* Sun. 15.00. *African Music and entertainment in French and Vernacular:* 17.00–18.00. From 18.00–20.00 Progr. in French. *News:* 19.00.
Radio Chad
"Radio Chad" is an outlet of the new local station "Radio AEF", which transmits on 15595 kc/s in Arabic from 05.30–06.30, 18.00–18.35. News and Music for the inhabitants of the Moslem territory of Chad.
Announcement: In *French:* "Radio Brazzaville, Poste National Français". In *English:* "Radio Brazzaville, the French National Broadcasting Station in Fr. Equ. A.".
Interval-Signal: When the station switches over from one direction to another a call signal of five different notes is played on a native instrument (Kisanzi) consisting of several vibrating iron bars attached to a wooden box.
Verification by QSL-card. Return postage should be enclosed.

GOLD COAST COLONY

(British West Africa)

Number of Listeners: Approx. 12.000.
Address: The Gold Coast Broadcasting Service, P.O.Box 250, Accra. *Cable:* Broadcast.
Leading Personalities: Director of Information Service Major N. J. A. Lillie–Costello, OBE. Acting Chief-Engineer Mr. T. Huxtable. Senior Programme Officer Mr. Engineer Mr. T. Huxtable. Ass. F.E.E., A.M. Brit. I.R.E. Acting Senior Programme Officer Mr. S. T. Moffett.
Stations: Accra ZOY.
4915 kc/s 61.04 m 1.3 kW – 6015 kc/s 49.87 m 5 kW.

Daily Programmes:
English, Vernacular 11.30–13.15 on 6015 kc/s, 15.00–18.30 on 4915 kc/s. *News in English* 12.45, 17.45.

GUINEA (Portuguese)

Address: Emissora da Guiné, Estacao CQM, Bissau.
Leading Personality: President Orientadera.
Stations: CQM4 5838 kc/s 51.38 m 1 kW
CQM7 6993 – 42.90 – 1 – inactive
Daily Programmes: 21.30–23.00. *News:* 22.15.
Announcement: "Aqui Bissau, Guiné Portuguesa No ar, o programa da Emissora CQM". **Interval-Signal:** Melody played on guitar. **Verification** by QSL-card.

GUINEA (Spanish)

EMISORA DE RADIODIFUSION SANTA ISABEL
Stations: 7200 kc/s 41.67 m 0.75 kW.
Daily Programmes: 06.30–07.30, 12.00–14.00, 18.00–20.00. Special programmes on 1st, 10th and 20th of each month at 22.00–24.00.

IVORY COAST (French West Africa).

Radio Abidjan.
Address: Service de l'Information, Palais du Gouvernement, Abidjan, Cote. d'Ivoire, A.O.
Stations: 1495 kc/s 200.6 m 1 kW
7210 – 41.61 – 1 –
Daily Programmes (in French):
W: 06.45–07.30, 12.15–13.00, 19.00–20.30.
Sun.: 07.15–08.00, 12.15–13.00, 19.00–20.45.
Announcement: "Ici Radio Abidjan, station de radiodiffusion de la côte d'Ivoire".

KENYA

CABLE AND WIRELESS BROADCASTING SERVICE. **Number of Listeners:** 16.000.
Address: Cable and Wireless Limited, P.O.Box 777, Nairobi. *Cable:* "Empiregram".
Leading Personalities: Manager, Mr. E. G. Garneys, Programme Director, Mr. R. Coltart.
HOME SERVICE: Nairobi VQ7LO.

682 kc/s	440.00 m	3 kW	Indian and African
863 –	347.6 –	5 –	English
4855 –	61.79 –	5 –	English
6060 –	49.50 –	3 –	Vernacular and Hindust.

Daily Programmes:
English: 10.00–11.00 (Sat. 11.10), 15.00–20.00 (Wed. Sat. 20.00). – *Indian:* 10.00–11.00, 15.30–18.00. – *Vernacular:* 09.30–10.00, 13.30–15.30.
Announcement: "This is the Cable and Wireless Broadcasting Station, Nairobi, calling you on wavelengths of 350 and 61.79 metres – (or in Indian – 440 and 49.5 metres). – **Verification:** Reports from Overseas Listeners not required.

LIBERIA (Commercial)

Address: Liberian Broadcasting Company, Monrovia.
Leading Personality: President, Dr. John B. West, Vice-President Mr. R. W. Prees.
Home Service: 15.45–23.45.
ELBC 900 kc/s 333.3 m 15 kW
ELB1 6022 – 49.79 – 1 –
A 15 kW s. w. Station will start broadcast in the near future.
Announcement: "This is the Liberian Broadcasting Company".

MADAGASCAR

Address: Radio Tananarive, Haut-Commisariat de la Republique Française á Tananarive (Madagascar).
Leading Personalities: Directeur du Poste de Radio Tananarive, Mr. Robert Guillon.
Stations: FIQA, Tananarive.

French Network			*Malgache Network*		
kc/s	m	kW	kc/s	m	kW
3205	93.66	1	7375	40.68	0.25
6172	48.60	1	9693	30.95	0.25
9515	31.53	1			

Daily Programmes in *French: W.* 03.30–05.30, 09.00–11.00, 15.00–19.30. *Sun.:* 04.00–07.45, 08.30–11.00, 14.15–19.30. *News:* 04.00, 09.00, 16.00, 18.15.
Daily Programmes in *Malgache:* 03.30–05.00, 08.30–10.30, 14.00–17.00. *News:* 09.00, 15.00, 16.30.
Announcement in *French:* "Ici Radio Tananarive" – at opening followed by: "Voici notre émission de la Journée diffusée sur les longueurs d'ondes suivantes——".
Interval-Signal: Malgache music.
Verification by QSL-letter. Return postage requested.

MAURITIUS

Number of Listeners: Approx. 11.000.
Address: Mauritius Broadcasting Service, Pasteur Str., Forest Side.
Leading Personalities: Manager Mr. Cyril de Chazal. Chief-Engineer Mr. N. Rambert. Director of Music Mr. M. Moutia. Chief of Indian Programmes Mr. O. S. Geerjanan. Chief-Engineer Mr. Noel Rambert.
HOME SERVICE: V3USE 1364 kc/s 219.5 m 5 kW
15075 – 19.90 – 1.5 –
French and English: W: 03.00–04.15, 08.00–09.30(15075: 09.00), 14.30(1364: 13.00)–17.30. Sun. 06.15–08.00, 14.30–17.30.
News in French: 03.30(W), 06.30(S), 08.30(W), 15.00
News in English: (BBC): 04.00(W).
Hindustani: 13.00–14.30. *News:* 13.30. *Chinese:* Sun. 08.00–08.45, Tues., Thurs. 09.30–10.15. *News:* 09.45. *Swahili:* Thurs. 12.30–13.00.
Announcements: In *English:* "This is the Mauritius Broadcasting Service". In *French:* "Ici le M.B.S. poste de Radiodiffusion de l'ile Maurice". Before the news are played an excerpt of the Sylvia Ballet and at the beginning of each transmission the "Thin red line".
Verification by QSL-card. Return postage not required.

MOROCCO (French)

Number of Listeners: Europeans 98.120, Arabians 80.981.
Address: Radio Maroc, Immeuble des P.T.T., Rabat. For letters from listeners: "Courrier des Auditeurs", Radio Maroc.
Leading Personalities: Director General, Mr. André Fabre. Chief of News Dept., Mr. P. Peyre. Chief Engineer, Mr. Francois Gouré. Administrator, Mr. Grolleau. General Secretary, Mr. A. Lestage. Chief of Arabic Dpt. Mr. F. Gousse.
HOME SERVICE:
(Network A=French, English. B=Arabic, Spanish).

Network A.	Rabat I	611 kc/s	491.0 m	20 kW
Network B.	Rabat II	1043 –	287.6 –	20 –
	Fez	701 –	428.0 –	1 –
Short Wave:	Rabat	6006 –	49.95 –	2.5 –

Two new transmitters 120 kW will probably replace the two 20 kW stations during February 1953.

Network A: *French:* W: 06.45–08.30, 12.00–14.30, 19.00–23.00. Sun. 06.45–23.00. *News:* 07.00, 08.15, 13.00, 20.00, 22.55.

English Programmes for Americans in Morocco: Daily exc. Sat., Sun. 11.00–12.00: American news and music. 18.30–19.00 French by Radio and news.
Mailbag: Thurs. 13.30.

Network B: *Arabic:* 07.00–08.30, 12.30–15.00, 17.00–18.30, 19.30–23.30. *Spanish:* 12.00–12.30, 18.30–19.30. Sun.: 18.30–19.00.

News in Arabic: 08.15, 13.15, 14.30, 17.00 (Berbere), 20.30. *Mailbag:* Tues. 19.30, Thurs. 19.30, Sun. 14.40. *News in Spanish:* 12.00, 19.15.

Daily Programmes on Short Waves: (Relay Network A & B).

07.00–08.30	Arabic	13.00–14.30	(Sat. 15.30.
08.30–12.00	(Sun.) French		Thurs. Sun. 15.00) French.
12.00–12.30	Spanish	18.30–19.30	Spanish
12.30–13.00	Arabic	17.30–23.00	Arabic

Announcement: "Ici Radio Maroc" or "Ici Rabat – Radiodiffusion Marocaine". In *Arabic:* "Hunna Radio el Moghrib" or "Hunna Ear Ribat".

Interval-Signal: At *opening and closing:* "Marseillaise" and "Hymne Chérifien". **Verification:** by QSL-card.

MAROCCO (Spanish)

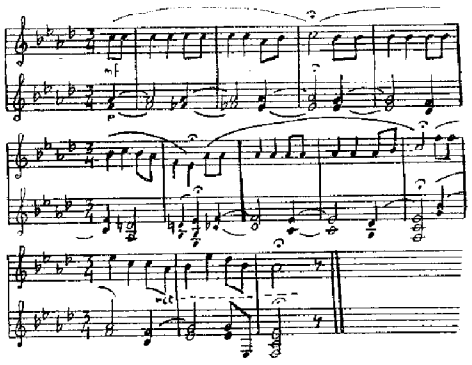
Address: Radio Dersa, Empresa "Torres Quevedo".

Stations: R. Dersa Tetuan 904 kc/s 331.9 m 5 kW.

Daily Programmes: *Spanish* 13.00–15.00, 19.00–23.00.

Announcement: *Spanish* "Aqui Radio Dersa, Tetuan, La Voz de Espana en Africa". *Arabic:* "Huna Tetuan".

Interval-Signal:



Verification by letter. **Future-Plans:** M.W. 904 kc/s 5 kW.

MOZAMBIQUE (Portuguese East-Africa)

Number of Listeners: 10.000.

Address: Radio Clube de Moçambique, P.O.B. 594, Lourenco Marques. *Cable:* Radioclub.

Leading Personalities: President Capt. Antonio dos Santos Figueiredo. Vice President Mr. Artur Meirim. Manager Capt. Joao Pinheiro. Manager English Progr. Mr. D. Davis.

PORTUGUESE NETWORK. (CR7BG, CR7BE=10 kW. CR7BO=0.3 kW. Other stations=7.5 kW). (Wi=Winter, S=Summer).

CR7BO	927 kc/s	323 m	All year
CR7BM	3420 –	87.72 –	(Wi)
CR7BV	4829 –	62.11 –	All year
CR7BE	9804 –	30.00 –	(Wi)
CR7BG	15285 –	19.63 –	(S)

Daily Programmes: 05.00–06.00 (not CR7BM), 09.30–12.00(Sat. Sun. 14.00) (not CR7BM), 16.00–20.00 (not CR7BV). *News:* 05.15, 10.30, 16.30 (Sun.), 17.00 (W), 20.00 (W).

ENGLISH NETWORK: 7.5 kW (Commercial).

CR7AB	3480 kc/s	85.21 m	17.00–21.00 (Wi)
CR7BU	4920 –	60.99 –	04.00–07.00, 15.00–21.00 all year
CR7AA	7254 –	41.36	07.00–09.30, 15.00–21.00. all year
CR7BJ	9762 –	30.73 –	07.00–15.00 (S)
CR7BF	11765 –	25.50 –	04.00–17.00 all year

Announcement: In *English:* Every quarter or half hour 4 chimes followed by "Lourenço Marques for happy listening in the . . . metre bands from 6 o'clock in the morning until 11 o'clock at night". In *Portuguese:* "Radio Clube de Mozambique".

Verification by QSL-card. Return postage not necessary.

EMISSORA DO AERO CLUBE DA BEIRA
Address: Caixa Postal 3, Beira.
Stations: CR7IB 7199 kc/s 41.68 m 0.3 kW
Daily Programmes on 7199 kc/s.
Weekdays from 09.45–10.45 and 18.00–20.00.
Sundays from 09.00–12.00 and 17.00–20.00.
Verification by QSL-card.

NIGERIA

Address: The Nigerian Broadcasting Service, Broadcasting House, Lagos. *Cable:* Broadcasts.

Leading Personalities: Director of Broadcasting Mr. T. W. Chalmers B. Sc. Chief Engineer Mr. J. W. Murray. Ass. Chief Engineer Mr. E. C. Milton, Engineers Mr. C. N. Stansfield (W. Region), Mr. W. R. Laurenson (E. Region), Mr. R. Stones (N. Region), Progr. Directors Mr. L. A. Perowne (National), Mr. R. M. Elphick (E. Region), Mr. J. F. Wilkinson (N. Region).

HOME SERVICE:
National: In English, Ibo, Yoruba, Hausa.

6100 kc/s	49.18 m	7.5 kW W.	05.00–22.00
7255 –	41.36 –	0.25 – W.	05.00–22.00
9655 –	31.07 –	0.25 – W.	06.00–08.00, 10.30–13.00, 17.00–20.00.

The frequencies are changed quarterly at the moment as we are still experimenting.

North and East Region: Frequencies not yet fixed. All frequencies (41 m. b.) experimental at present. – Power 0.25 kW.

FOREIGN SERVICE: In English, Ibo, Hausa, Yorubar 6100 kc/s: 06.00–08.00, 10.30–13.00, 17.00–20.00.

Announcement: "This is the Nigerian Broadcasting Service".

Interval-Signal: Yoruba talking drums beating out: "This is the Nigerian Broadcasting Service".

Verification by letter. Reports are welcomed.

REUNION (French Department)

Address: Radiodiffusion Francaise, St.-Denis.
Leading Personality: Manager, Mr. B. Guyot.

Stations: 624 kc/s 480 m 1 kW 4820 kc/s 62.50 m
Daily Programmes: *French:* W. 02.45–03.45, 08.15–09.15, 14.00–17.00 (Mo., Wed. 18.00).
News and Press Review: Daily 16.40 (from Paris).
Announcement: "Ici St.-Denis de la Reunion, Radiodiffusion Francaise". **Verification** by letter.

NORTHERN RHODESIA

Number of Listeners: 125.000. **Languages:** English and Vernacular.
Address: The Central African Broadcasting Station, Broadcasting House, P. O. Box 209, Lusaka. (Publish a monthly radiomagazine – The African Listener).
Leading Personalities: Broadc. Officer Mr. M. Kittermaster. Broadc. Engineer Mr. J. Reeves A.M.I.E. Ass. Broadc. Officer Mr. C. Sapseid. Ass. Broadc. Engineer Mr. A. Davies B. Sc. Officer i/c News and Talks Mr. P. Fraenkel. Rec. Officer Mr. G. Garder. Senior African Announcers Mr. A. Nkhata & E. Kateka.
HOME SERVICE (Lusaka ZQP).

3275 kc/s	91.60 m	0.4 kW	17.00–19.00
4826 –	62.16 –	15 –	12.00–19.00
7220 –	41.55 –	2.5 –	12.00–17.30

12.00–14.00 General Musical Programme
14.00–18.00 W: Vernacular, Sun.: Simple English 18.00–19.00 Advanced English (daily).
BBC and African News: D. 18.00. *Central African News:* Sun. 14.30, 18.05 D. *N. Rhodesian News:* Mo. Thurs. Sat. 14.30. *S. Rhodesian News:* Tues. Fri. 14.30. *Nyasaland News:* Wed. 14.30. *Features:* D. 16.00–16.30. *African Forum:* Mo. 18.30–19.00. *African Music:* D. 18.15–18.30.
Announcement: "This is the Central African Broadcasting Station in Lusaka".
Interval-Signal: Drums and "Silimba"(Barotse xylophone) with chanting. **Verification** by QSL-card.

SOUTHERN RHODESIA

Address: Studio Controller, Broadcasting House, P. O. Box 8, Causeway, Salisbury. *Cable:* "Broadcasts", Salisb.
Leading Personalities: Studio Controller Mr. J. Porry. Senior Studio Assistant Miss Helen Kelly. Programme Producer Mr. J. Hooper.
HOME SERVICE m.w.=2 kW. s.w.=15 kW.

Salisbury	580 kc/s	517 m	Gwelo	1034 kc/s	290 m
Bulawayo	611 –	491 –	Salisbury	3320 –	90.36 –
Queque	746 –	402 –	–	7285 –	41.18 –
Gatooma	791 –	379 –	–	9490 –	31.61 –
Umtali	980 –	306 –			

Daily Programmes: W: 09.00–12.00, 15.00–20.00. Sun.: 08.00–12.00, 16.00–20.00. (In addition a relay of the BBC News at 06.00 is transmitted weekdays on all frequencies exc. 9490 kc/s).
News: 09.10, 11.00 (BBC), 18.00 (BBC).
Central African News: Tues., Thurs., Fri., Sat. 17.00, Mo. 18.15. *Rhodesian News:* 18.15 exc. Mo.
Announcement: "This is Rhodesia".
Interval-Signal: At opening of each broadcast: Westminster Bells – for 4 minutes.

SAO TOMÉ (Portuguese)

Address: Radio Clube de Sao Tomé e Principe, Sao Tomé.
Leading Personality: President Dr. Manuel Soares de Azeredo.
Stations: Sao Tomé. 1 kW.

CR5SC	4807 kc/s	62.40 m
CR5SB	17677 –	16.97 –

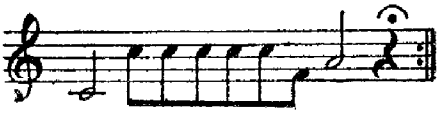
Daily Programmes in *Portuguese:*
On *17677 kc/s:* 12.00–13.00 (Sun. & Thurs. only. – On 4807 *kc/s:* 19.00–21.00 (daily). – *News:* 12.30, 19.45.
Announcement: CR5SC "Aqui S. Tomé, R. Clube de S. Tomé e Principe trabalhando na...". CR5SB "Aqui, em emissao especialmente destinada a Metropole e Provincias Ultramartinas".
Verification by QSL-card.

SENEGAL (French West Africa) Commercial

RADIO DAKAR
Address: Radio Dakar, 93 rue Felix Faure, Dakar A.O.F.
Stations:

1433 kc/s	208 m	5 kW	11895 kc/s	25.22 m	12 kW
1466 –	204 –	5 –	15346 –	19.55 –	12 –
9710 –	30.90 –	5 –			

Daily Programmes:
European Service (on 1433 kc/s and 25 m.b.):
W.: 06.30–08.00, 12.00–14.00, 19.00–23.10 (Sat. 24.00). Sun.: 07.00–14.00, 17.00–23.10.
African Service (on 1466 kc/s and 31 m.b.): 18.00–19.00.
Announcement: At the beginning of every broadcast the Hymne "Infanterie de Marine". – "Ici Radio Dakar Poste Federal de l'Afrique Occidentale Française, émettant sur – – – –".
Interval Signal:



Verification by QSL-card. International reply coupons should be enclosed.

SOMALILAND (British Protectorate)

Number of Listeners: 500. **Language:** Somal.
Address: Information Officer, P. O. Box 14, Hargeisa. *Cable:* Informat.
Leading Personality: Information Officer C. J. Martin.
Station: Radio Somali.
VQ6MI 7125 kc/s 42.10 m 1 kW 13.15–17.15.
Announcement: "This is Radio Somali". Reports are not wanted.

SOMALILAND (Italian)

Station (experimental):
Mogodishu 7420 kc/s 40.45 m 1 kW.
Daily Programmes: 17.00–18.00. Italian music, news.
Announcement: "Transmette Mogodishu."

SUDAN

Address: Sudan Broadcasting Service, Public Relations Office, P. O. Box 522, Khartoum.
Station: Radio Omdurman.

kc/s	m	kW	kc/s	m	kW
572.5	524	0.25	7000	40.85	6.5
5975	50.21	6.5	9746	30.78	6.5

Daily Programmes:
In *English:* Fri. 17.30–18.00. – In *Arabic:* D.: 04.15–04.45, 16.30–19.30. Fri. also 08.00–09.30, 14.00–15.00 and Sun. also 08.00–09.00.
Announcement: In *English:* "This is the Sudan Broadcasting Service calling from Omdurman". – In *Arabic:* "Huna Omdurman". – **Verification** by QSL-letter.

TANGANYIKA

Number of Listeners: Approx 2.000.
Address: Dept. of Social Development, P. O. Box 1649, Dar-es-Salaam.
Leading Personalities: Commissioner for Social Development C. A. L. Richards. Officer-in-charge D. Swannie. Chief Engineer A. C. Rothney.

HOME SERVICE in *Swahili and English.*

1250 kc/s	240.0 m	0.25 kW	16.00–17.30 (Mo. Sat. 18.30). *English:* Mo. 17.30–18.30.
3251 –	92.28 –	0.25 –	
5050 –	59.41 –	0.25 –	

News in English: 16.00. *News in Swahili:* 17.00.
Announcement: *English:* "This is Dar-es-Salaam". *Swahili:* "Hii Ni Sauti ya Dar-es-Salaam".
Interval-Signal: Marimba playing continuously.
Verification: Reports are not wanted.

TANGIER

RADIO AFRICA TANGIER
Address: 41, rue Fez, Tangier.
Cable: "Rafrica Tangier".
Leading Personalities: Chairman, Mr. J. Tremoulet. Vice-Chairman, Mr. Jean de Bournet. Commercial Manager, Mr. G. Beaudry. Director of Programmes, Mr. G. Guilloux, Chief Engineer, Mr. R. J. Pinghuina.

Radio Africa Maghreb
953 kc/s 314 m 20 kW* – 7193 kc/s 41.71 m 5 kW
* to be increased to 50 kW.

Radio Africa Tangier
683 kc/s 439 m 1kW – 6020 kc/s 0.25 kW.

Daily Programmes in *English, French & Spanish:*
On 953 kc/s: 12.00–16.00, 19.00–23.00.
On 7193 – : 12.00–16 00, 19.00–24.00.
On 683 – : 12.00–16.00, 18.00–19.00. In Arab. 19.00–24.00.
Local and Commercial News in French & Spanish: On 683, 6020 kc/s 14.30, 20.15, 20.58, 22.00. – *Request Programme:* 14.00, 22.00.
Announcements: *English* "This is Radio Africa Maghreb or Tangier". *French:* "Ici Radio Africa Maghreb ou Tanger". *Spanish:* "Aqui Radio Africa Maghreb ou Tanger", followed with music "Espana Cani".
Interval-Signal: Gong. **Verification** by QSL-card.

PAN-AMERICAN RADIO
Address: Pan American Broadcasting System, Edificio La Bolso, 16, rue Delacroix, British Post Office Box 49, Tangier. *Cable:* Panamericana Tangier.
Leading Personalities: Directors, Mr. C. E. Walbaum, Mr. J. Surinach Oller. Chief-Engineer Mr. M. Navas.
Stations:

kc/s	m	kW		kc/s	m	kW
575	522.0	5	(inactive)	7290	41.15	3
1175	254.0	5*		14500	20.05	3**

* authorized to be increased to 50 kW
** under construction.

Daily Programmes (in English, Spanish, French): 12.00–15.15, 19.30–24.00. *News* in *French* and *Spanish:* 14.00, 21.30. Relays of B. B. C. news at 13.00 (French), 14.00 (Spanish). 21.00 (French).
English: Voice of America 19.30. Music from New-York 21.50.
French: Exchange rates 13.30, 20.05. Tanger Eclos 20.00. *Tanger Sport:* 20.30. *"L'Horoscope"* 20.35. *Voix de la Cité* 21.30.
Spanish: *Exchange rates* 13.00, 21.05. *Ecos de Tanger* 21.00, Tanger Sport 21.45. *Voice of America:* 22.00 (Spansk), 19,30 (English).
Announcements: *English:* "This is Panamerican Radio Tangier". *Spanish:* "Aqui Panamerican Radio, Tangier". *French:* "Ici Panamerican Radio, Tangier".
Interval-Signal: At the opening and closing of each transmission is played the popular song of S. American music: Bim, Bam, Bum. –
Verification by QSL-card. Return postage not required.

VOICE OF AMERICA RELAY BASE
Address: Voice of America, c/o American Legation, Tangier, or Voice of America, New York, 19 N. Y., USA.
Stations: Tangier 35/50/100 kW.

6015 kc/s	7220 kc/s	9650 kc/s	11870 kc/s	15295 kc/s
6040 –	7235 –	9685 –	15130 –	15340 –
6060 –	7270 –	9700 –	15210 –	15440 –
6080 –	9500 –	11710 –	15240 –	17770 –
6120 –	9545 –	11760 –	15250 –	17870 –
7200 –	9615 –	11790 –	15270 –	21690 –
7214 –	9635 –	11830 –	15280 –	

Daily Programmes: see U.S.A. (24 hours daily).
Announcement: "This is the American Relay-Base in Tangier. relaying the programmes of the "Voice of America"."
Verification by QSL-card.

TUNISIA

Address: Radio Tunis, 2 Rue d'Alger, Tunis.
Stations:

Tunis I	962 kc/s	311.9 m	20 kW*)
Tunis II	629 –	476.9 –	20 –

*) 120 kW evening.
Daily Programmes in *French* and *Arabic:*
French: on 629 kc/s: 06.15–07.15, 11.00–13.00, 17.15–21.50. – *News:* 06.15, 07.00, 11.00, 12.00, 18.00, 19.00, 21.45.
Arabic: on 962 kc/s: 05.55–07.15, 12.00–13.15, 17.30–20.50.
Announcement: "Ici Radio Tunis" in French and Arabic.
Interval-Signal: Gong.

UNION OF SOUTH AFRICA

Number of Listeners: 600.000. **Language:** English, Afrikaans.

SOUTH AFRICAN BROADCASTING CORPORATION
Address: P. O. Box 8606, Johannesburg. *Cable:* Broadcast.
Leading Personalities: Chairman of the Board of Governors, Dr. S. H. Pellissier. Director General, Mr. G. D. Roos. Deputy Director General, Mr. N. L. Filmer. Chief Accountant, Mr. R. C. Strike. Director of Afrikaans Programs, Mr. T. van Lille. Director of English Programs, Miss G. N. Dickson. Secretary, Mr. J. P. A. van der Walt. Director of Commercial Service, Mr. E. H. Cameron McClure.

HOME SERVICES

Stations:	English		Afrikaans		Com.cial	
Medium Waves	kc/s	m	kc/s	m	kc/s	m
Johannesburg	638	470	782	384	971	309
	836	358	728	412	1025	293
Pretoria	953	315	764	393	863	348
Bloemfontein	701	428	620	484	899	334

Kimberley	932	322	1475	203		
Grahamstown	593	506	809	371	674	445
Port Elisabeth	962	312	773	338	1178	255
East London	1034	290	1286	233	1457	206
Durban	602	498	683	439	854	351
Cape Town	692	434	557	539	791	379
Pietermaritzburg	566	530	656	457	800	375

		English		Afrikaans		Commercial	
Short Waves		kc/s	m	kc/s	m	kc/s	m
Johannesburg	1)	3290	91.19	3370	89.02	3356	89.39
	2)	4800	62.50	4895	61.29	4945	60.67
	3)	7230	41.50	7275	41.24	7295	41.12
	4)	9870	30.40	9523	31.50	9600	31.25
Cape Town	1)			3860	80.00		
	2)			5890	50.93		
	3)			7255	41.36		
	4)			9610	31.22		

1) = Evening 1/5–31/8. 2) = Evening 1/9–30/4. 3) = Morning and Afternoon. 4) Midday September–April.

English and Afrikaans Services: W. 04.45–06.30, 08.15–12.10, 14.00–21.05. Sun.: 05.55–06.30, 08.15–21.05.
News: 05.00(W), 06.00, 11.00, 16.00, 17.00(W), 20.00,
Commercial Service-Springbok Radio: W: 04.00–22.00. Sun.: 05.00–21.05.
Interval-Signal: For Commercial Service (Springbok Radio): GCEGA in key C.

AFRICA SERVICE
Stations:
9870 kc/s 30.40 m 16.00–20.05
15230 – 19.70 – 08.30–12.15, 14.00–15.45
English: Tues. Thurs. Sat. *Afrikaans:* Sun. Mo. Wed. Fri.
Verification by QSL-card.

BECHUANALAND (British Protectorate)

Number of Listeners: 300. **Language:** English.
Address: ZNB Broadcasting Station, c/o Director of Public Works, Box 106, Mafeking.
Leading Personalities: Announcer and Programme Manager W. J. Coombes.
Station: ZNB 8230 kc/s 36.45 m 0.25 kW
5900 – 50.84 – 0.25 –
Daily Programmes: 11.00–12.00, 17.00–19.30 (Sun. 18.00–19.30. News at 11.15, 17.00. Relay S. A. Broadc. Corpo.
Verification by QSL-card. Return postage required.

ZANZIBAR

Address: Zanzibar Radio, Information Officer, Government Information Service, P. O. Box 344, Zanzibar.
Leading Personality: Information Officer Mr. Yohya Alaiwi.
Home Service in Swahili only W. 14.00–15.00 on 4795 kc/s 62.5 m 0.25 kW.
Announcement: In *English:* "Zanzibar calling". – In *Swahili:* "Sauti ya Unguja".

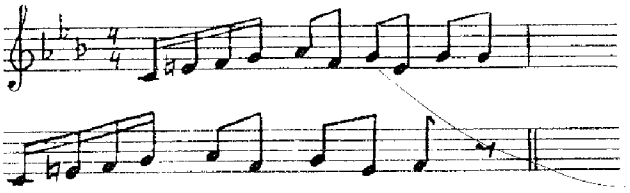
NEAR EAST

AFGHANISTAN

Address: "Radio Kabul, Press Dept., Kabul.
Stations: 674 kc/s 445.1 m 20 kW
9980 – 30.06 – 10 –
Home Service: 14.30–17.30 in Persian and Pushtu.
Foreign Service: On 9980 kc/s. 16.45–17.00 (Sun. 16.45–17.20 in *English*.
Verification by letter.

CYPRUS

NEAR EAST ARAB BROADCASTING STATION
Address: P. O. Box 219, Limassol, Cyprus. *Cable:* Nebsharq", Limassol.
Leading Personalities: Director Mr. R. Poston, Deputy Director Mr. G. R. John, Director of Programmes Mr. Mohamad Ghussein, Chief-Engineer Mr. W. H. O. Sweeny.
Stations: Sharq al Adna 7.5 kW.
ZJM 4 6120 kc/s 48.02 m ZJM 8 9650 kc/s 31.09 m
ZJM 5 6170 – 48.62 – ZJM 7 11720 – 25.60 –
ZJM 6 6790 – 44.18 –
Daily Programmes in *Arabic:* 03.55–06.30, Fri., Sun. 06.30–08.30, D: 08.30–19.00. – *News:* 04.00, 05.45, 11.30, 15.30, 18.30. – *Progr. Reviews:* 03.55, 05.40, 08.30, 14.25.
Announcement: "Mahattat a Sharq al Adna. Lil' iza'al Arabiya".
Interval Signal: Arabic music on stringed instrument.



Verification by letter. Reports from Near East Countries welcomed. No return postage required.

IRAN

Address: The Department of Press and Propaganda, Tehran, Iran. *Cable:* "Tehran Propaganda".
Leading Personalities: Director General Mr. Ali Asghar Bashir Farahmand, Assist. Dr. Rahmatullah Mostafavi.
Stations:
Radio Tehran:

EQA	896 kc/s	335 m	20 kW
EQB	6155 –	48.74 –	20 –
EPB	15100 –	19.87 –	20 –
R. Täbriz:	6092 –	49.24 –	7 –
	1500 –	200 –	7 –
R. Shiras:	6500 –	45.88 –	5 –
R. Sanandaj:	6755 –	44.44 –	1 –
R. Ispfahan:	6845 –	43.77 –	1 –
R. Ahwaz:	8000 –	37.50 –	1 –

Home Service: 02.30–19.30 in Persian, English, French, Turkish, Russian, Arabic, German, and Urdu.
News: 03.30, 10.30, 15.30, 17.30.
Foreign Service on 15100 kc/s from 18.00–20.30: 19.30 German – 19.45 French – 20.00 English news and music – 20.15 Russian.
Announcement (for Radio Tehran): in *English:* "This is Teheran". In *French:* "Ici Téhéran".
Verification by letter.

IRAQ

Address: Baghdad Radio Station, Baghdad.
Stations:
767 kc/s 391.1 m 0.5 kW 7092 kc/s 42.30 m 16 kW
6135 – 48.90 – 0.5 kW 11724 – 25.58 – 16 –
7062 – 42.48 – 0.5 –
Daily Programmes:
Arabic: 03.55–06.00, 09.00–11.00, 13.30–19.15 on 767, 7092, 11724 kc/s.
Kurdish: 13.30–17.00 on 7062 kc/s.

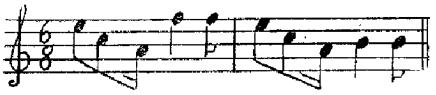
English: 19.15–20.00 on 767, 7092, 11724 kc/s.
Announcements: "This is Radio Baghdad" – "Ici Radio Baghdad" – "Huna Baghdad".
Interval-Signal: Soft chirps of a mechanical nightingale.
Verification by QSL-card.

ISRAEL

Number of Listeners: 200.000.
ISRAEL BROADCASTING SERVICE
Addresses:
KOL ISRAEL – "The Voice of Israel", Israel Broadcasting Service, P. O. B. 1082, Jerusalem, Israel. – P.O.B. 17 Hakirya, Tel-Aviv, Israel. KOL ZION – LA GOLAH (The Voice of Zion), P.O.B. 754, Jerusalem.
Leading Personalities: Moshe Perlman, Director of Isr. Information Services. Mr. M. Ben-Menahem, Director General P. T. T. and Radio Manager Jerusalem: Eliahu Karmel; Manager Tel-Aviv: Mr. Leah Porath; Director of Music: Mr. Karel Salomon; Director of General Programmes: Dr. Ieshaja Spiro; Director of News: Mr. Hanodi Givton; Head of Dept. for Public Relations and Informations: Mr. Avraham Bartura. Director of Kol Zion La Gola: Mr. Mordochai Avida; Chief-Engineer: Mr. Moshe E. Berman.
Stations:

Tel Aviv	4×B36	575	521.7	50	04.30–06.30 08.30 (Sat. 05.30)–13.00 14.00–21.05
Tel Aviv	4×B47	652	460	10	16.30–18.30
Jerusalem	4×B39	737	407.06	20	As 4×B36
Haifa	4×B35	1205	248.36	5	–
Tel Aviv	4×B42	1336	224.6	5	–
Tel Aviv	4×B43	1390	215.8	5	–
Tel Aviv	4×B31	6830	43.82	50	–
Haifa	4×B24	8170	36.72	7.5	–
Tel Aviv	4×B21	9009	33.30	50	16.30–22.15

FM-stations see *FM stations of the World.*
HOME SERVICE in Hebrew and Arabic on all frequencies exc. 9009.
1st Programme on 575, 737, 1205 kc/s (and 9009 kc/s from 18.30–19.00 only.)
04.30–06.45, 08.30–13.00, 14.00–21.05. Sat. and Jewish holidays: 05.30–13.00, 14.00–21.05. Sun. 04.30–06.45, 08.00–13.00, 13.15–21.05.
Arabic periods (06.00–06.30, 12.15–13.00, 16.30–17.00) also relayed on 6830 kc/s.
News in Hebrew exc. Sat.: 05.00, 05.58, 10.00, 11.30, 16.15, 18.30, 21.00. Sat. 06.30, 11.30, 16.15, 18.30, 21.00.
News in Arabic: 06.15, 12.15, 16.30.
2nd Programme:
652 kc/s: 11.45–12.15, 14.00–16.15, 16.30–18.30, 20.15–20.30.
6830 kc/s: 11.45–12.15, 14.00–16.15, 17.00–18.30, 20.15–20.30.
9009 kc/s: 16.30–18.30, 20.15–20.30.
1336, 1390 kc/s: 11.45–12.15, 14.00–16.15, 20.15–20.30.
News: English 11.45, 20.15. *French* 12.00, 16.30. *Yiddish* 17.30. *Judeo-Spaniol* 17.00. *Hungarian* Sun., Wed., Fri. 18.00. *Rumanian* Sun., Wed., Fri. 18.15. *Arabic* 06.15, 12.30, 16.30. *Turkish* Tues., Thurs., Sat. 18.00. *Persian* Tues., Thurs., Sat. 18.15. *Music* 14.00. *Progr. for Yemenites* 15.00.
Short Wave Service on 9009 kc/s:
16.30–18.30: *Relay 2nd progr.* 18.30–19.00: *Relay 1st progr.*
Kol Zion La Golah (The Voice of Zion).
19.15–22.00 on 9009 kc/s.
19.15–20.15: The Voice of Zion to the Diaspora.
20.15–20.30 News in English from Kol-Israel.
20.30–22.00 The Voice of Zion to the Diaspora (French, English).
ANNOUNCEMENTS: "KOL ISRAEL – The Voice of Israel from Jerusalem" – "La Voix d'Israel".
Interval-Signal: YE-RU-SHA-LA-YIM, YE-RU-SHA-LA-YIM".



Verification by QSL-card.

GALEI-ZAHAL

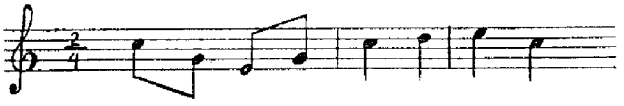
Address: Army Post Office 162 Israel.
Leading Personality: Officer i/c Capt. Boroschek.
Home Service:
16.30–20.00 in *Hebrew* on 1304, 1336, 1390 and 6725 kc/s.
News Review: 17.30. – *News:* 18.30.
Verification by letter.

LEBANON (Republic of)

Address: Service de Radiodiffusion de la Republique Libanaise, Radio Liban, Beirut.

Stations:			
	836 kc/s	359 m	4 kW
	8036 –	37.34 –	2.5 –

Daily Programmes: 05.00–06.15, 10.15–13.00, 15.00–21.00.
French: 05.30–05.45, 11.30–12.30, 17.00–20.15 (8036 kc/s only).
Arabic: 04.30–06.30, 10.30–12.30 (8036 kc/s 10.30–11.30), 16.00–21.00 (8036 kc/s not 19.00–20.15).
European Programme: Daily 20.00–20.55.
English: 15.00–16.00.
Announcements: *Arabic:* "Houna Beyrout, Mahattat al' Iza'a al Loubnaniat". *French:* "Ici Beyrouth, Station de Radiodiffusion de la République Libanaise". *English:* "This is the English programme of the Lebanese Broadcasting Station in Beirut".
Interval-Signal: For medium- and short wave:



Verification by QSL-card or letter.

SAUDI ARABIA

Address: Saudi Arabia Broadcasting System, Djeddah.
Stations: *Djeddah* 3 kW.

725 kc/s	413.8 m	9650 kc/s	31.09 m3
3950 –	75.95 – 1	11850 –	25.32 – 4
5975 –	50.21 – 2	11950 –	25.10 – 5

Daily Programmes in *Arabic:* 04.00–04.45, 11.00–11.45, 16.00–16.50, 17.30–18.15.

Announcement: "Il-eza'a la' azikiyah l'ilmamlakat es Saoudiyah". – **Verification** by letter.

SYRIA

Address: Direction Generale de Radiodiffusion, Rue de la Victoire, Damascus.
Stations:

	kc/s	m	kW
Damascus	602	500.2	2
	665	451.2	50
Aleppo	719	417.2	20
Damascus	6165	48.66	20
	7145	41.99	7.5
	9555	31 40	7.5/20
	11750	25.53	0.3
	11915	25.17	20
	17865	16.80	20

DAILY PROGRAMMES:
Arabic: *On* 665, 719, 6165 *kc/s:* 04.30–07.00, 11.00–12.30, 15.00–22.00 (also 11750 kc/s). From 15.00–18.00 also 9555 kc/s.
On 602, 9555 kc/s: 19.30–20.00. From 20.00–22.00 on 9555 kc/s only.
English: 10.00–11.00 on 602, 7145 kc/s. 14.45–15.45 on 17865 kc/s (to India, Pakistan). 21.30–22.30 on 11915 kc/s (to W. Europe).
French: 07.00–09.30 and 13.30–14.30 on 602, 7145 kc/s. 20.30–21.30 on 11915 kc/s (to W. Europe).
Turkish: 18.15–19.15 on 9555 kc/s.
Announcement: In *Arabic:* "Huna Dimashq". In *English:* "Here is Damascus" In *Turkish:* "Burasi Cham".
Verification by QSL-card.

TRANSJORDAN

Number of Listeners: approx. 200.000.
Hashemite Jordan Broadcasting Service.
Address: Controller General of the Hashemite Jordan Broadcasting Service, Ramallah, Hashemite Kingdom of the Jordan.
Leading Personalities: Controller-General Mr. Thabet Khalidi; Programme Director Mr. Isam Hammad; Chief-Engineer Mr. Emanuel Stephan.
677 kc/s 443.0 m 20 kW – 7010 kc/s 42.80 m 0.75 kW at precent inactive.
Daily Programmes: 05.00–05.45, 11.30–12.30, 15.15–19.30. *News:* Arabic 05.00, 12.00, 16.00, 19.00. – *English:* 11.30, 15.15.
Announcement: (in English): "This is the Hashemite Jordan Broadcasting Service calling from Jerusalem".
Verification by letter. Return postage not required.

TURKEY

Number of Listeners: 567.093.
Address: Turkish Press, Broadcasting and Tourist Department, Radio Ankara, Ankara – Radio Istanbul, Istanbul – Radio Izmir, Izmir. – *Cable:* Yayin, Ankara.
Leading Personalities: Dr. Halim Alyot, Director General a. i., Turkish Press Broadcasting and Tourist Department. Mr. Refik Ahmet Sevengil Director Radio Division. Mr. Rusen F. Kam, Director of Radio Ankara. Mr. Mesûd Cemil, Director of Istanbul Radio. Mr. Ümit Demiriz, Director Radio Izmir. Mr. Seyfi Tashan Head of Foreign Broadcasts.

Stations:		kc/s	m	kW
Ankara	TAR	182	1648	120 [1])
Istanbul	TAW	704	426.1	150 [1])
Ankara I	TAN	6000	50.00	20 *
Ankara I	TAM	7240	41.44	20 *
Ankara II	TAS	7285	41.18	100 w.
Ankara I	TAP	9465	31.70	20 [1])
Ankara II	TAT	9515	31.53	100 [1])
Ankara I	TAK	11760	25.51	20 *

Radio Ankara: Two announcers of Radio Ankara's Home Service.

Ankara II	TAU	15160	19.79	100 s.
Ankara I	TAQ	15195	19.74	20 [1])
Ankara I	TAD	17720	16.93	20 *
Ankara II	TAV	17820	16.84	100 [1])
Izmir		6383	47.00	0.2 **

*=not yet in operation. **=frequency and power subject to change. [1])=in use all the year round.

HOME SERVICE:
TAR: *Mo.-Fri.:* 05.30–07.00, 10.15–12.00, 15.00–21.00. *Sat.:* 05.30–07.00, 10.15–13.00, 15.00–21.30. *Sun.:* 06.30–12.00, 15.00–21.00.
TAW: *Mo.-Fri.:* 10.57–13.00, 15.57–22.00. – *Sat., Sun.:* 10.57–22.00.
R. Izmir: D. 12.58–19.35.
News *from Ankara:* Mo.–Sat.: 05.45, Sun. 06.30.
News *from Ankara and Istanbul:* D. 11.00, 20.45.
News *from Ankara, Istanbul, Izmir:* D. 17.00.
From the last saturday of April to the first saturday of October the programmes can be heard one hour earlier.

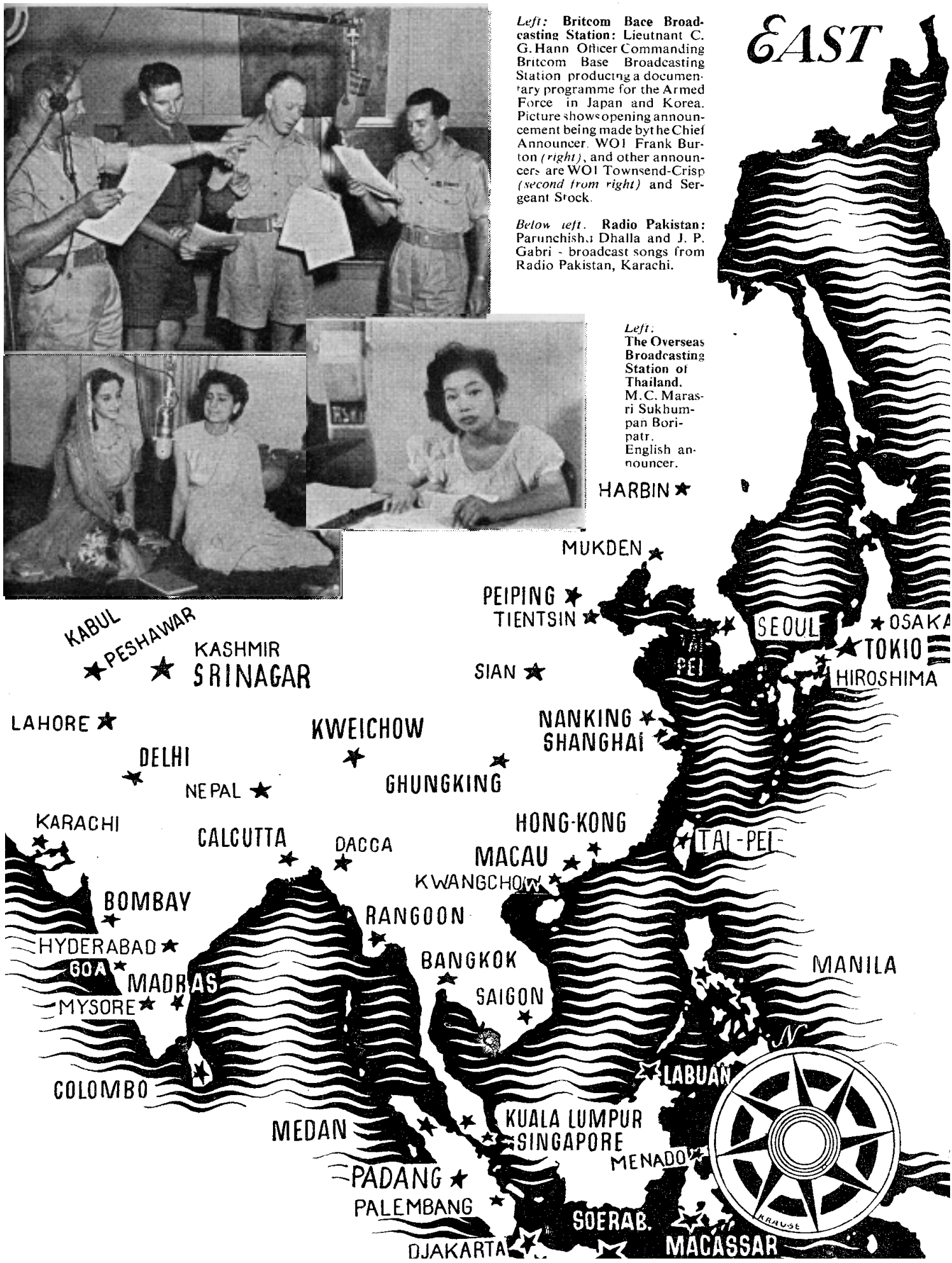
FOREIGN SERVICE:
Arabic: 16.30–17.00 on 9465 kc/s. News, Progr.
Bulgarian: 18.00–18.15 on 9465, 7285 kc/s. *News.* Commentary.
English: For South and South East Asia: 13.30–14.15 on 17820 kc/s. *News* and Progr.
Western European Service: 21.00–21.45 on 9465, 7285 kc/s.
North American Service: 23.15–24.00 on 9515 kc/s. *News* and Progr.
French: 20.15–20.45 on 7285 kc/s. *News* and Progr.
German: 19.30–20.00 on 7285 kc/s. *News* and Progr.
Greek: 17.15–17.45 on 9465 kc/s. *News* and Progr.
Hungarian: 19.00–19.15 on 9465, 7285 kc/s. *News.* Commentary.
Italian: 19.30–20.00 on 9465 kc/s. *News* and Progr.
Persian: 16.00–16.30 on 9465 kc/s. *News* and Progr.
Polish: 19.15–19.20 on 9465, 7285 kc/s. *News.* Commentary.
Pushto: 15.00–15.15 on 9515 kc/s. *News,* Press Review.
Rumanian: 17.45–18.00 on 9465, 7285 kc/s. *News.* Commentary.
Serbo-Croat: 18.30–19.00 on 9465 kc/s. *News* and Progr.
Spanish: 22.30–23.00 on 9515 kc/s. *News* and Progr.
Turkish:
10.15–11.00 on 17820, 15195 kc/s. Relay Home Service.
11.00–11.25 on 17820 kc/s. For Turkish Forces Overseas.
11.00–12.00 on 15195 kc/s. Relay Home Service.
17.00–17.15 on 9465 kc/s. Relay Home Service.
18.15–18.30 on 9465 kc/s. R. Journal. Relay Home Serv.
20.00–20.15 on 9465, 7285 kc/s. Home News from Turkey.

Transjordan Turkey Radio Ankara

Left: **Britcom Bace Broadcasting Station:** Lieutnant C. G. Hann Officer Commanding Britcom Base Broadcasting Station producing a documentary programme for the Armed Force in Japan and Korea. Picture shows opening announcement being made byt he Chief Announcer. WO1 Frank Burton *(right)*, and other announcers are WO1 Townsend-Crisp *(second from right)* and Sergeant Stock.

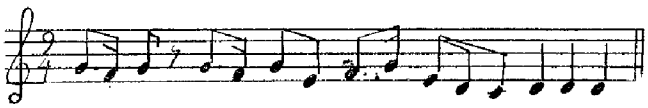
Below left. **Radio Pakistan:** Parunchisha Dhalla and J. P. Gabri - broadcast songs from Radio Pakistan, Karachi.

Left: **The Overseas Broadcasting Station of Thailand.** M.C. Marasri Sukhumpan Boripatr. English announcer.



map east Britcom Bace Broadcasting Station G. Hann Japan Korea Frank Burton Sergeant Stock Radio Pakistan Parunchisha Dhalla J.P. Gabri Karachi Thailand Marasri Sukbumpan Boripatr

20.15–20.45 on 9465 kc/s. Turkish Music.
20.45–21.00 on 9465, 7385 kc/s. Relay Home Service.
Urdu: 14.30–15.00 on 9515 kc/s.
Announcements: Arabic: Houna Ankara. Bulgarian: Govori Ankara. English: This is Radio Ankara, Turkey. French: Ici Ankara. German: Hier ist Ankara. Greek: Etho Ankara. Hungarian: Halloit Ankara. Italian: Qui Radio Ankara. Persian: Indja, Ankara. Polish: Tumowi Ankara. Pushto: Da de Ankara Radyo da. Rumanian: Aic Ankara. Serbo-Croat: Ovde Ankara. Spanish: Aqui Habla Radio Ankara, Turquia. Urdu: Ye Ankara ki Radyo he.
Interval-Signal: An old Turkish Dance Tune: Sari-Zeybek.



Verification bt QSL-card. No return postage is required.
TEKNIK UNIVERSITE
(Technical University of Istanbul)
Address: Elektrik Fakültesi, Yüksek Frekans Teknigi Laboratuvari, Istanbul.
Leading Personality: Professor Mustafa Santur Head of the Radio Laboratory.
Home Service in Turkish: 18.15–20.00 on 7080 kc/s 42.37 m 0,5 kW.
Interval-signal: Turkish march by Mozart at the opening and closing of each transmission. **Verification** by letter. Return postage required.

EAST

BURMA

Number of Listeners: Approx. 12.000.
BURMA BROADCASTING SERVICE
Address: 28, Windermere Crescent, Rangoon.
Leading Personalities: Director Mr. U. Khin Zaw. Deputy Director Mr. U. Pe Thaw. Chief-Engineer U. Pu Doe.
Stations: S. w. 5 kW. M. w. 7.5 kW.

955 kc/s	314 m	5 kW	4774 kc/s	62.83 m	
9543 kc/s	31.44 m	7.5 kW	6034 kc/s	49.71 m	

DAILY PROGRAMMES:
01.00–02.30 (not Mo.) on 955, 9543 kc/s.
05.30–07.30 (not Mo.) on 955, 9543, 6034 kc/s.
12.00–15.15 on 955, 4774, 9543 kc/s.
English: 01.15–01.30, 06.15–06.45, 14.15–15.15.
News: 01.25, 06.30, 15.00. *"The Voice of Burma"* (talk): Thurs. 15.00. **Burmese:** 01.00–01.15, 01.30–02.15, 05.30–06.15, 06.45–07.30, 12.00–14.15. *News* 01.30, 07.15, 13.15.
Hindustani: *News* 02.22.
Announcement: (English): "This is the Burma Broadcasting Service".
Interval-signals: *Burmese progr.* Signature tune: Burmese oboe, gongs and drums. – *English progr.* Signature tune: Eric Coates "Calling all Workers". *Before news:* Mozarts "Minuetto Allegretto in E Flat". – *After news:* "Shepherds Dance" from Beethoven's Pastoral Symphony.
Verification by QSL-card. Return postage not required.

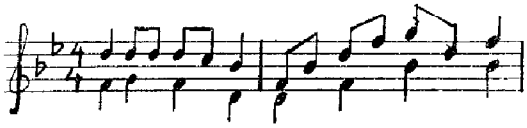
CEYLON

Number of Listeners: 50.820.
Address: Radio Ceylon, Torrington Square, Colombo 7.
Leading Personalities: Director General Mr. M. J. Perera.
Cable: Radceylon.

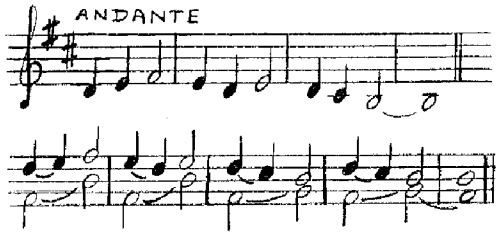
Stations:

kc/s	*m*	*kW*	*SERVICE*
640	469	0.25	Commercial
700	428	15	Oriental Home
924	326	7.5	Western Home
4900	61.22	0.25	Oriental Home
6006	49.96	7.5	Commercial
6075	49.38	0.25	Western Home
7190	41.72	7.5	Commercial
11975	25.05	75/100	Commercial
15120	19.84	100	Commercial
17820	16.84	7.5	Commercial

Western Home Service (English).
D. 01.00–03.00, 07.15–08.30, 11.00–16.30. *English* 07.30–07.45, 14.45–15.00.
Oriental Home Service (Sinhalese, Tamil
01.00–08.00, 11.00–17.00 on 700, 4900 kc/s. News in Sinhalese 01.15; in Tamil 01.35.
Commercial Service
For India/Pakistan: 01.45–08.00, 11.30–16.45 in English, Hindi on 7190, 11975 15120 kc/s.
For Africa: 05.15–06.30 (in English) on 17820 kc/s.
For South East Asia: 09.15–11.15 (in English) on 17820 kc/s. – Programmes consist of music.
Announcements: Home Service: "This is the Home Service of Radio Ceylon calling on...". Commercial Service: "This is the Commercial Service of Radio Ceylon on...".
Interval-Signal: Commercial Service closes with "Strike up the Bands". **Verification** by QSL-card.
Ceylon Western Home Service:



Ceylon Sinhalese Service:



THE PEOPLES REPUBLIC OF CHINA

THE CENTRAL BROADCASTING BUREAU
Address: Central People's Broadcasting Station, 3 Hsi Ch'ang an Chieh, Peking.
HOME SERVICES:
Peking Central from 23.00–00.30, 02.00–06.45, 09.25–13.45, 14.00–18.00 on 640, 720, 6100, 7500, 9040, 10260, 15170 kc/s.

Peking (for Peking only)	on 850, 1080, 1320, 750 kc/s.
North-East (Mukden)	on 560, 820, 7660 kc/s.
East China (Shanghai)	on 800, 5985, 6812 kc/s.
Central-South (Wuham)	on 600, 6645 kc/s.
South-West (Chungking)	on 6154, 11000 kc/s.
North-West (Sian)	on 880, 6400, 9480 kc/s.

Tientsin on 770, 920 kc/s. – Mukden on 1313 kc/s. Nanking on 990 kc/s. – Wuhan on 1190 kc/s.
Nanking on 990 kc/s. – Wuhan on 1190 kc/s. – Canton on 1310 kc/s. – Chungking on 1300, 1080 kc/s. – Sian on 1280 kc/s.

FOREIGN SERVICE for Radio Peking:

Japanese	21.00–21.30 on	640, 720, 6100, 10260, 11690 kc/s.
Korean	22.00–22.30 on	640, 720, 6100 kc/s.
English	22.30–23.00 on	640, 700, 720, 6100, 7500, 9040, 10260, 11690, 15060, 15170 kc/s.
Indonesian	23.00–23.30 on	700, 11690, 15060 kc/s.
Viet-Namese	23.30–24.00 on	15060 kc/s.
Thai	00.00–00.30 on	15060 kc/s.
Ke-Chia	00.30–00.45 on	15060 kc/s.
Amoy	00.45–01.00 on	15060 kc/s.
Burmese	01.00–01.30 on	15060 kc/s.
Cantonese	01.30–01.45 on	15060 kc/s.
Chaochou	01.45–02.00 on	15060 kc/s.
Korean	08.00–08.30 on	640, 720, 6100, 10260 kc/s.
English	09.00–09.30 on	10260, 11690, 15060 kc/s.
Ke-Chia	09.30–10.00 on	700, 11690 kc/s.
Amoy	10.00–10.30 on	15060 kc/s.
Indonesian	10.30–11.00 on	15060 kc/s.
Japanese	11.00–11.30 on	11690, 15060 kc/s.
Cantonese	11.30–12.00 on	700, 11690, 15060 kc/s.
Chinese	12.00–12.30 on	640, 700, 720, 6100, 7500, 9040, 10260, 11690, 15060.
Viet-Namese	12.30–13.00 on	700, 11690, 15060 kc/s.
English	12.30–13.00 on	700, 11690, 15060 kc/s.
Thai	14.00–14.30 on	11690 kc/s.
Chaochou	14.30–15.00 on	11690 kc/s.
Burmese	15.00–15.30 on	11690 kc/s.

GOA (Portuguese India)

Number of Listeners: 30.000.

Address: Commercial Service of Radio Goa, Goa. *Cable:* Emissora Goa.

Leading Personalities: President Mr. J. Oliviera Chaves. Assistant Director Mr. J. E. Lima do Souto. Chief Engineer Mr. Victor Carvalho. Concessionaire to Commercial Service Mr. Gabriel Martins.

Home Service (in Portuguese, English, Hindi, Marathi, Gujerati, Urdu, Sindhi and Konkani):

	kc/s	m	kW	
GOA	557	539	2.5	07.30–19.30
CR8AB	3425	87.70	5	experimental
CR8AB	6025	49.79	5	02.00–17.30
CR8AB	9610	31.22	10	02.00–17.30

Announcement: *English:* Radio Goa, Voice of Goa, Voice of Portugal.
Portuguese: "Emissora de Goa, Voz de Goa, Voz de Portugal". **Verification** by letter.

HONG-KONG

Number of Listeners: 88.355.

Address: Radio Hong Kong, Electra House, P.O.Box 200, Hong Kong. – *Cable:* Broadcasts.

Leading Personalities: Controller of Broadcasting Mr. Curtis Hindson. Senior Progr. Assistant Mr. D. E. Brooks. Chinese Progr. Assistant Mr. S. C. Lau. Engineer-in-Change Mr. A. T. B. Bardens.

HOME SERVICE (ZBW3: Relay ZEK & ZBW).

ZEK	640 kc/s	468	m	2	kW	Chinese
ZBW	845 –	355	–	2	–	English
ZBW3	9525 –	31.50	–	2.5	–	04.30–06.00 10.00–15.30

English: W: 23.00–01.00, 04.30–06.00, 10.00–15.30. (Sat. 04.30–15.30). Sun.: 02.00–15.30. Holidays: 00.00–15.30. *On ZBW3*: 04.30–05.30, 10.30–11.00, 13.00–15.30. *News:* 00.00, 05.15, 12.00.
Chinese: W. 00.00–01.00, 03.30–06.00, 10.00–15.30. Sun. 04.00–15.30. *On ZBW3:* 05.30–06.00, 10.00–10.30, 11.00–13.00.
News: 00.15, 05.30, 10.00, 12.00, 12.30 (in Cantonese, Kuoyn & Swatow dialects).
Announcements: *English:* "This is Radio Hong-Kong". *Cantonese:* "Nee Shu Hi Heung Gong Quong Bor Din Toy". **Verification** by QSL-card.

INDIA

Address: Directorate General All India Radio, Broadcasting House, Parliament Street, New Delhi.

STATIONS:

Delhi: VUD, VUD2, VUD4=10 kW. VUD3=5 kW. VUD5, VUD7=100 kW, VUD8, VUD9=7.5 kW. VUD10, VUD11=20 kW.

kc/s	m	kc/s	m	k/cs	m	kc/s	m
710	422.5	4940	60.73	7120	42.13	7240	41.44
886	338.6	4960	60.48	7125	42.11	7260	41.32
3250	92.31	5960	50.34	7155	41.93	7275	41.24
3365	89.15	5970	50.25	7170	41.84	7290	41.15
3435	87.34	5990	50.08	7190	41.72	9530	31.48
3495	85.84	6010	49.92	7210	41.61	9550	31.41
3945	76.05	6080	49.34	7225	41.52	9560	31.38
3970	75.57	6150	48.78	7230	41.15	9565	31.36
4870	61.60	6190	48.47				

kc/s	m	kc/s	m	kc/s	m	kc/s	m
9575	31.33	11710	25.62	15160	19.79	17740	16.91
9590	31.28	11760	25.51	15170	19.78	17760	16.89
9620	31.19	11790	25.45	15190	19.75	17780	16.87
9630	31.15	11830	25.36	15210	19.72	17830	16.83
9660	31.06	11850	25.32	15290	19.62	17840	16.82
9670	31.02	11870	25.27	15350	19.54	21510	13.95
9680	30.99	11890	25.23	15380	19.51	21660	13.85
9710	30.99	11940	25.13	17705	16.94	21700	13.82
9720	30.86	15130	19.83				

Madras: VUM, VUM2=10 kW. VUM3=0.25 kW.

kc/s	m	kc/s	m	k/cs	m	kc/s	m
1110	270.3	4920	60.98	7260	41.32	9590	31.28
1420	211.3	6085	49.30				

Mysore: 968 kc/s 311.0 m. 6065 kc/s 49.46 m.

Bombay: VUB, VUB2=10 kW. VUB3=0.25 kW.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
850	353.0	4840	61.98	7240	41.44	9550	31.41
1231	243.7	6150	48.78				

Calcutta: VUC, VUC2=10 kW. VUC3 0.25 kW.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
810	370.4	4880	61.48	7210	41.61	9530	31.48
1000	300.0	6010	49.92				

Srinagar:

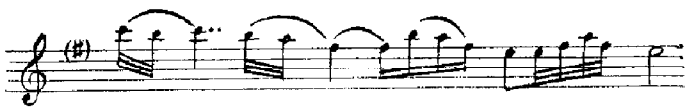
kc/s	m	kc/s	m	kc/s	m	kc/s	m
990	303.0	3335	89.96	4860	61.73	7270	41.27

HOME SERVICE

NORTH REGIONAL SERVICE (In English, Hindi, Urdu, Punjabi).

Delhi A: *On 886 kc/s:* 01.30–03.30 (also in 49 m.b.), 07.00–08.20 (also in 19, 13 m.b., and 41 m.b. until 08.00),

12.00–17.30 (until 13.00 also in 60 m.b. and from 14.45 in 85 m.b.).
Delhi B: *On* 710 *kc/s:* 03.00–03.30, 07.30–09.00 (until 08.30 also in 19, 16 m.b. and from 08.00 in 41 m.b.), 12.00–17.30 (from 13.15–14.15 also in 41 m.b. and up to 14.45 in 85 m.b.).
SOUTH REGIONAL SERVICE (In Tamil, Malayalam, Kannada, Telugu and English).
Madras A: *On* 1420 *kc/s:* 01.30–02.45 (also in 41 m.b.), 07.00–09.15 (also in 31 m.b.), 10.30–11.30 (also in 31 m.b.), 12.00–17.00 (also in 49 m.b.).
Madras B: *On* 1110 *kc/s:* 01.30–02.45 (also in 49 m.b.), 06.30–09.15 (also in 41 m.b.), 10.30–11.30 (also in 41 m.b.), 12.00–17.00 (until 12.30 and from 13.30 also in 60 m.b.).
Mysore (in Kannada, Telugu and English).
On 968, 6065 *kc/s:* 01.45–02.45, 08.00–09.00, 12.00–16.30.
WEST REGIONAL SERVICE (in Marathi, Gujerati, Kannada, Hindi and English).
Bombay A: *On* 1231 *kc/s:* 02.00–03.30 (also in 41 m.b.), 07.15–09.00 (also in 31 m.b.), 10.30–10.50, 11.10–01.30, (also in 31 m.b.), 12.00–17.30 (until 14.15 also in 31 m.b. and from 14.30 in 41 m.b.).
Bombay B: *On* 850 *kc/s:* 02.00–03.30 (also in 49 m.b.), 07.15–09.20 (also in 41 m.b.), 10.50–11.30 (also in 41 m.b.), 12.00–17.30 (until 13.50 also in 41 m.b. and from 14.00 in 61 m.b.).
EAST REGIONAL SERVICE (in Bengali and English).
Calcutta A: *On* 810 *kc/s:* 03.00–03.30 (also in 49 m.b.), 07.00–09.00 (also in 41 m.b.), 11.00–17.00 (11.30–12.45 also in 41 m.b. and from 13.00 in 61 m.b.).
Calcutta B: *On* 1000 *kc/s:* 01.30–03.30 (also in 41 m.b.), 07.00–09.00 (also in 31 m.b.), 11.00–17.00 (11.30–13.00 also in 31 m.b. and from 13.15 in 41 m.b.).
RADIO KASHMIR:
Srinagar: *On* 990 *kc/s:* 02.30–04.30 (also on 4860 kc/s), 07.00–08.30 (also on 7270 kc/s), 12.00–17.00 (also on 3335 kc/s).
News in English: 01.30, 08.00, 12.30 15.30.
News in Hindi: 01.45 08.10, 12.40, 15.45.
Announcement: "This is all India Radio" (in English).
Interval-Signal: All India Radio's signature tune is a melody of eight seconds' duration repeated with intervals of 10 seconds in between. The instruments used are Violin, Viola, Cello and Tampura.



Verification by QSL-card.

FOREIGN SERVICE

GENERAL SERVICE
To East- and South East Asia, Australia, New Zealand.
00.30–01.00 in 25, 31 m.b. English, Tamil, Hindi.
01.30–03.00 in 19, 16 m.b. Indian Music.
11.00–13.15 in 19, 16 m.b. Hindi & Tamil Progr.
13.30–14.45 in 19, 25 m.b. English Progr.
To Central Europe.
07.30–08.30 in 19, 16 m.b. English & Composite Progr.
08.45–09.15 in 19, 16 m.b. Hindi Progr.
15.00–15.50 in 25, 41 m.b. English Progr.
To East and South Africa, Mauritius.
04.00–05.10 in 16, 19, 25 m.b. Gujerati, English, Hindi. Indian Music.
15.45–17.15 in 19, 25 m.b. English, Hindi, Gujerati.
To West Indies.
23.30–00.30 in 41, 31, 25, 19 m.b. Composite Progr.
EASTERN SERVICE.
To Burma.
00.45–00.55 in 41, 31 m.b. Burmese.
11.15–12.00 in 19, 16 m.b. Burmese.
To China.
09.30–10.45 in 19*, 16 m.b. Kuoyu, Cantonese.
* Sat. and Sun. until 10.30.
10.30–11.00 in 19**, 16 m.b. English.
** Sat. and Sun. only.
To Indonesia.
12.00–12.30 in 19, 16 m.b. Indonesian.
22.45–23.00 in 42, 50 m.b. Indonesian.
WESTERN SERVICE.
To Fiji.
07.00–08.20 in 13, 19 m.b.
To West-Indies.
23.30–00.30 in 25, 31, 41, 50 m.b.
To West Pakistan.
03.45–04.20 in 50, 42, 31 m.b. Pothoari.
12.45–13.15 in 76, 50 m.b. Pothoari.
13.15–14.15 in 41 m.b. Pothoari.
14.45–15.00 in 76 m.b. Pothoari.
To Afghanistan.
03.15–04.00 in 50, 42 m.b. Pushto.
05.30–06.30* in 76, 60, 50, 41, 31 m.b. Pushto.
13.45–14.30 in 76 m.b. Pushto.
16.30–17.30 in 76, 60, 50, 41 m.b. Afghan.
*Fridays only.
To Persia (and Afghanistan).
17.30–18.30 in 76, 60, 50, 41 m.b. Persian.
To Middle East, North Africa.
04.30–05.30 in 31, 25 m.b. Arabic.
17.30–19.30 in 50, 42 m.b. Arabic.
To Europe.
18.45–19.45 in 49, 42, 31, 25 m.b. English–19.45–20.30 French in 50, 42 m. b.
To W. Europe, N. Africa, N. East.
19.45–20.30 in 42, 50 m.b.
News in English:
19.00 in 25, 31, 42 m.b.; 00.30 in 25, 31 m.b.; 04.10 in 16, 19, 25 m.b.; 08.00 in 16, 19 m.b.; 03.30 in 19, 25 m.b.; 15.45 in 19, 25 m.b.
News in Hindi:
00.50 in 25, 31 m.b.; 05.00 in 16, 19, 25 m.b.; 11.00 in 16, 19 m.b.; 16.00 in 19, 25 m.b.
News in Indonesian:
12.00 in 16, 19 m.b.

INDONESIA

Number of Listeners: 250.000.
The official broadcasting organisation Radio Republik Indonesia is part of the Ministry of Information of the Republik of Indonesia.
Head Office: Medan Merdeka Selatan 17, Djakarta P. O. Box 7. – *Cable:* Rivox, Djakarta.
Besides the Central Studio Djakarta – origin of two Home programmes for the whole of Indonesia and the foreign programmes – 20 regional, local and relay stations are under control. Several new transmitters are under construction.
Leading Personalities: *Head Office*: Director General Mr. R. Maladi. Head of Programme Department Mr. R. M.

Sumarmadi. Head of Finance Department Mr. R. Sutardi Hardjolukito. Head of Technical Department Mr. G. De Wilde. Head of News Department Mr. Kamarsjah. *Stations*: Head of Studio Djakarta Mr. Moh. Jusuf Ronodhipuro. Head of Studio Bandung Mr. R. Suratno Wirjoatmodjo. Head of Studio Djogjakarta Mr. R. C. S. Hadisukanto. Act. Head of Studio Surakarta Mr. Oetojo Soemowidjojo. Head of Studio Semarang Mr. Suprapto. Head of Studio Palambang Mr. M. Arief. Head of Studio Madiun Mr. Mardjuki. Head of Studio Djember Mr. Sumitro. Head of Studio Tjirebon Mr. Suparto. Act. Head of Studio Palembang Mr. M. Arief. Head of Studio Padang Mr. Kartojo. Head of Studio Bukittinggi Mr. Adnan Burham Sn. Head of Studio Medan Mr. Lutan Sutan Toenaro. Head of Studio Kotaradja Mr. Abdul Azis. Head of Studio Pontianak Mr. R. Soedibjo. Head of Studio Bandjarmasin Mr. Djaswadi. Head of Studio Makassar Mr. R. M. Sahlan Hadisaputro. Head of Studio Manado Mr. S. A. Muri. Head of Studio Ambon Mr. W. Ch. Risakotta. Head of Studio Den Passer Mr. Bambang Kartono Naftali.

NATIONAL STATIONS:

		kc/s	m	kW
Java:				
Djakarta:	YDB	2260	121.90	1
(Central Station)	YDD	3205	93.66	1
	YDB2	4910	61.10	1
	YDF	6045	49.63	100
	YDF5	7220	41.55	100
	YDB3	7270	41.27	7.5
	YDF6	9585	31.30	100
	YDE	11770	25.49	7.5
	YDF7	11770	25.49	100
	YDF2	11785	25.46	100
	YDF3	11795	25.43	100
	YDC	15150	19.80	50
	YDF4	17810	16.84	100
Bandung:	YDA2	2415	124.20	0.15
(Regional)	YDA	3390	88.50	3
	YDA3	4945	60.61	0.15
Cheribon	YDA6	2390	125	0.1
(relay for Bandung)				
Jogjakarta:	YDJ3	2450	122.45	0.3
(Regional)	YDJ	5060	59.30	7.5
	YDJ2	7100	42.25	1
Semarang:	YDH	2500	120.00	0.15
(Regional)	YDH2	3945	76.05	1
Surakarta:	YDG2	2300	130.00	0.1
(Regional)	YDG	6170	48.62	3
Surabaya:	YDI3	2467	122.00	0.3
(Regional)	YDI	3240	92.59	1.2
	YDI2	3980	75.38	5
Madiun: (Relay)	YDG6	2370	126.55	0.3
Djember: (Relay)	YDI6	2335	128.50	0.3
Sumatra:				
Padang:	YDL2	2320	129.20	0.3
(Regional)	YDL	3960	75.75	1
Palembang:	YDK	4855	61.79	1
(Regional)	YDK2	2430	123	0.1
Kotaradja: (Local)	YDN	2390	125.50	0.1
Bukittinggi: (Local)	YDM	3270	91.75	0.3
	YDM2	5030	59.64	1
	YDP3	7240	41.44	7.5
Medan:	YDP2	3350	89.55	0.3
(Regional)	YDP	4930	60.85	1
Borneo:				
Pontianak: (Local)	YDW	2350	127.70	0.3
Bandjermasin:	YDO	3380	88.76	1
(Regional)				
	YDO2	5960	50.33	1
Celebes:				
Menado: (Local)	YDS	3230	92.88	1
Makassar:	YDQ	3365	89.15	0.3
(Regional)	YDQ3	7295	41.12	0.3
	YDQ2	9550	31.41	8
Bali: *Den Pasar:*	YDU	4840	61.98	1
(Regional)				
Moluccas:				
Ambon:	YDR	4865	61.66	1
(Regional)				

HOME SERVICES (in Indonesian)

DJAKARTA

1st Programme on 2260, 4910, 6045, 9585 kc/s:
W: 22.30–00.45, 04.40–07.15, 09.30–15.30*.
Sun.: 23.30–07.15, 09.30–15.30* not on 4910, 9585 kc/s.
News: 22.30 (W.), 23,30, 00.30, 05.00, 06.00, 07.00, 11.30, 12.30, 14.30.

2nd Programme on 3205, 7270, 11770 kc/s:
W.: 22.30–00.45, 04.30–07.15, 09.30–15.30.
Sun.: 23.30–07.15, 09.30–15.30. *News:* 22.30, 23.30 (W.), 00.30, 05.00, 06.00, 07.00, 11.30, 12.30, 14.30.

Special Forces' Progr. in Indonesian:
22.30–23.30, 04.30–05.30, 09.30–11.00.
English to W. Coast USA at 14.30.

BANDUNG: W. 22.28–00.30, 04.30–07.15, 09.30–15.30*. **Address:** Djalan Bukittingul, Bandung.

CHERIBON: Relay for Bandung.

JOGJAKARTA: W. 22.30–00.45, 04.30–07.15, 09.30–15.30*. **Address:** Setjodiningsatang.

SEMARANG: W. 22.30–00.30, 04.30–07.15, 09.30–15.30.* **Address:** Pandanaran 34.

SURAKARTA: W. 22.30–00.45, 04.30–07.15, 09.30–15.30*. **Address:** Djalan Marconi 3.

SURABAJA: W. 22.30–00.30, 04.30–07.15, 09.30–15.30*. **Address:** Kajoon 34.

MADIUN: Relay for Soerabaia.

DJEMBER: Relay for Soerabaia.

TERNATE: (Moluccas). Relay for Ambon.

PADANG: 23.28–01.30, 05.30–07.30, 09.30–16.30. Sun.: 00.30–07.30, 09.30–16.30. **Address:** Sawahan 51.

PALEMBANG: 23.00–01.00, 04.57–07.15, 10.00–16.00. Sun.: 00.00–07.15, 10.00–16.00.

Radio Indonesia: Staff of English Section. Sitting left Mr. Bob Crown (his feature: Juke Box Sunday-nite). Sitting right: Miss S. Distz (her feature: "This might interest you", every Monday). Standing right: Mr. Don Gobie (his feature: "Strictly Jazz", every Thursday).

Indonesia Bob Crown S. Distz Don Gobie

Radio Indonesia: Javanese Gamalan Orchestra broadcast from Djakarta.

KUTARADJA: 23.28–00.45, 10.25–16.30.
Address: Djalan Prawira 7.
BUKITTINGI: 05.30–07.30, 10.30–15.30. Sun.: 00.30–07.30, 10.30–15.30. **Address:** Djalan Rumah Sakit 22.
MEDAN: 23.28–01.30, 05.30–08.15, 09.58–16.30. Sun.: 00.30–08.15, 10.30–16.30. **Address:** Djalan Serdang 28.
PONTINAK: 09.30–15.30.
BANDJARMASIN: 22.30–23.45, 04.30–06.15, 09.30–15.30*. **Address:** Sudimaran 6.
MENADO: 22.00–24.00, 04.00–06.45, 10.00–15.00. Sun.: 23.00–06.45, 10.00–15.00.
MAKASSAR: W. 22.00–24.00, 04.00–06.45, 09.00–15.00. Sun.: 23.00–06.45, 09.00–15.00. **Address:** Djalan Mariso 2.
DEN PASSAR (on the isle of Bali): W.: 22.30–00.30, 04.30–07.15, 09.30–15.30. Sun.: 23.30–15.30.
AMBON: 21.30–23.30, 04.30–06.00, 08.30–14.30. Sun.: 22.30–06.00, 08.30.–14.30.
*) Sundays: 23.30–07.15, 09.30–15.30.
Announcement: "Radio Republik Indonesia... (name of town."

FOREIGN SERVICE (VOICE OF INDONESIA) DJAKARTA
A=Australia, NZ=New Zealand, M=Malaya, SEA=South East Asia, I=India, P=Pakistan, B=Burma, E=Europe, IC=Indo-China, ME=Middle East, CH=China, NA= USA, W.USA=West Coast USA.
Stations: YDF 11770 kc/s. Area I, ME, E. – YDC 15150 kc/s. Area A, CH, I, E. – YDB2 4910 kc/s. Area M. – YDE 11770 kc/s. Area W.USA. – YDB3 7270 kc/s 41.26 m. Area I, CH.
ENGLISH:
11.00–12.00 on YDC, YDB2 to A, M.
14.30–15.30 on YDC, YDE to I, P, USA.
The 4th Tues. of every month an additional Norwegian broadcast for Scandinavian listeners.
19.00–20.00 on YDF7, YDC to E, NZ.
FRENCH:
15.30–16.30 on YDB3, YDB2 to IC, M.
17.00–18.00 on YDF7, YDC to E, ME.
DUTCH:
18.00–19.00 on YDF7, YDC to E.
HINDI: 15.30–16.00 on YDC, YDB2 to I. M.
URDU: 14.00–14.30 on YDC, YDB2 to P. M.
ARABIC: 13.00–14.00 on YDC, YDB2 to SEA.
16.00–17.00 on YDC, YDF7 to ME.
CHINESE: 12.00–13.00 on YDC, YDB2 to CH, M.

The foreign progr. consist of news, cultural talks, Indonesian and Western Music.
Announcement: *English:* "This is the Voice of Indonesia broadcasting from Djakarta on...".
Interval-Signal: The melody: Rayuan Klapa (waving cocoanuttrees) played on a Hawaiian guitar – **Verification** by QSL-card. Reports are to be sent to: P. O. Box No. 7, Djakarta, Indonésia.

JAPAN

NIPPON HOSO KYOKAI (Broadcasting Corporation of Japan).
Address: 2, 2-chome, Uchisaiwai-cho, Chiyoda-ku, Tokyo. *Cable:* "Radio NHK".
Leading Personalities: President Mr. Tetsuro Furukaki. Vice-President Mr. Shigeru Komatsu. Directors Mr. Shigenobu Okabe, Mr. Jiro Nanye, Mr. Yoshiyuki Kanagawa. Chief of Program Department Mr. Yoshikazu Kasuga. Chief of Technical Department Mr. Kei Mizokami. Chief of Public Relations Department Mr. Yukio Ikeda. Chief of International Broadcasting Section Mr. Isamu Yamazaki.
HOME SERVICE in Japanese D. 20.30–14.00.
Medium Wave Stations (List includes stations of 10 kW or more)

Network I:		kc/s	m	kW
Fukuoka	JOLK	550	547	10
Sappora	JOIK	570	526	10
Tokyo	JOAK	590	508	50
Morioka	JOQK	650	461	10
Osaka	JOBK	670	448	50
Nagoya	JOCK	730	411	10
Hiroshima	JOFK	790	380	10
Niigata	JOQK	850	353	10
Sendai	JOHK	890	337	10
Kumamoto	JOGK	930	322	10
Kitami	JOKP	980	306	10
Kagoshima	JOHK	990	303	10
Matsue	JOTK	1110	270	10

There are 70 other stations under 10 kW.

Network II:		kc/s	m	kW
Sapporo	JOIB	750	400	10
Morioka	JOQC	810	371	10
Osaka	JOBB	830	361	50
Fukuoka	JOLB	870	344	10
Nagoya	JOCB	910	330	10
Tokyo	JOAB	950	316	100
Niigata	JOQB	1030	291	10
Hiroshima	JOFB	1050	286	10
Sendai	JOHB	1070	280	10
Kumamoto	JOGB	1150	261	10
Kitami	JOKD	1190	252	10
Matsue	JOTB	1330	225	10
Kagoshima	JOHC	1350	222	10

There are 27 other stations under 10 kW.
Short Waves (For Domestic Relaying); 5 kW:

Station	kc/s	m	Station	kc/s	m
JKL	4860	61.73	JKH	7257.5	41.34
JKI	4910	61.10	JKJ	7285	41.18
JKM	4940	60.73	JKD22	9535	31.46
JKO21	6005	49.46	JKI22	9550	31.41
JKI3	6080	49.34	JKL2	9605	31.24
JKQ21	6130	48.94	JKI2	9655	31.07
JKG21	6175	48.58	JKM2	9695	30.94
JKM21	6190	48.47			

Radio Indonesia Java Gamelang Jakarta Japan

Broadcasting Corporation of Japan: Miss Michiko Ari, actress who won fame in a hit melodrama: TOGETHER WITH ERIKO – a 29-month serial. — Hiroshi Takahashi, announcer specilized in theatrical relays, backed by 15 years of experience.

FM- and Television: *(see F.M. and Television stations of the world).*

Interval-Signal: None at present.

FOREIGN SERVICE from Tokyo:

	kc/s	m	kW		kc/s	m	kW
JOA	6069	49.43	50	JKI4	11800	25.42	50
JOA2	7180	41.78	50	JKI5	11815	25.39	50
JBD	9505	31.56	50	JKI6	11825	25.37	50
JBD2	9560	31.38	50	JOA6	15135	25.35	50
JOA3	9675	31.01	50	JBD3	15225	19.70	50
JOA4	11705	25.63	50	JOA5	15235	19.69	50

Daily Programmes in English and Japanese.

Transmission 1 (For North America):
JOA6 15135 kc/s JOB4 11705 kc/s.
05.00 Opening Announcement – 05.02 News in English – 05.12 Commentary English – 05.22 Music – 05.37 News Japanese – 05.47 Commentary Japanese – 06.00 Close Down.

Transmission 2 (For North China):
JOA3 9675 kc/s JOB2 7180 kc/s.
11.00 Opening Announcement – 11.02 News in English – 11.12 Commentary English – 11.22 Music – 11.37 News in Japanese – 11.47 Commentary Japanese – 12.00 Close Down.

Transmission 3 (For Central China):
JOA3 9675 kc/s JOB2 7180 kc/s.
12.00 Opening Announcement – 12.02 News in English – 12.12 Commentary English – 12.22 Music – 12.37 News in Japanese – 12.47 Commentary Japanese – 13.00 Close Down.

Transmission 4 (For Philippines & Indonesia):
JOA3 9675 kc/s JOB4 11705 kc/s.
14.00 Opening Announcement – 14.02 News in English – 14.12 Commentary English – 14.22 Music – 14.37 News in Japanese – 14.47 Commentary Japanese – 15.00 Close Down.

Transmission 5 (For India & Pakistan):
JOA3 9675 kc/s JOB4 11705 kc/s.
15.30 Opening Announcement – 15.32 News in English – 15.42 Commentary English – 15.52 Music – 16.07 News in Japanese – 16.17 Commentary Japanese – 16.30 Close Down.

Interval-Signal: None at present.

Verification by QSL-card.

Future Plans: Planning to add transmissions directed to South America, Europe, Australia etc, each using native language.

FAR EAST NETWORK COMPANY

Address: 8213 Army Unit, APO 500, PM San Francisco.

Leading Personalities: Commanding Officer: Capt. William H. Habblett. Radio Officer: Major Edgar L. Tidwell, TI & E, GHQ, FEC, APO 500. Programme Officer: Lt. Hunefled, W.G. Chief Engineer: Mr. R.H. Phillips.

Stations: AFRS (All programmes in English).

Medium Waves:	kc/s	m	kW	
Tokyo	770	389.6	50	21.00–15.00
Nagoya	1270	236	10	
Osaka	1390	215.8	10	21.00–15.00
Sendai	1430	209.8	10	21.00–15.00
Short Waves.	kc/s	m	kW	
Namata JKL	4860	61.73	10	08.45–15.00
Yazaki JKI-3	6175	48.58	20	08.45–15.00
Yamata JKL-2	9605	31.24	10	21.00–08.30
Nazaki JKI-6	11825	25.37	20	21.00–08.30

News in English: 21.30, 22.00, 22.55, 01.00, 03.30, 06.00, 09.00, 10.55, 12.00, 13.00, 14.00, 14.55.

Announcement: "FEN, The Far East Network".

Interval Signal: Each hour a 1000 cycle tone is given signifying correct time. **Verification** by QSL-card.

BRITISH COMMONWEALTH FORCE (BCF) RADIO STATION. Address: HQ BCF, Kure.

Leading Personalities: Officer Commanding: Captain K.A. Collier. Warrant Officer: Mr. Frank Burton. Chief Technical Section: Sgt. W. Feitz.

Stations:
1470 kc/s 204 m 0.3 kW – 6105 kc/s 49.14 m 1 kW.

Daily Programmes in English: 21.30–14.00.

News: 21.45, 22.45, 04.00, 09.00, 13.00.

Programmes mostly transcribed features consisting of entertainment, news, sporting information etc. to British Commonwealth troops in Japan and Korea.

Verification by QSL-card only when listener offers proof of reception.

NIPPON CULTURAL BROADCASTING ASSOCIATION (Commercial):

Address: Saint Paul Radio Center, Shinguku-ku, Wakaba-cho 1. Chome 5, Tokyo. **Station:** JOQR 1310 kc/s 229 m 10 kW. From 20.30–14.30.

ASAHI BROADCASTING COMPANY, 8 Tikko Sakai City, Nippon. JONR 1010 kc/s 297 m 10 kW. 21.00–15.00. **Verification** by QSL-card.

REPUBLIC OF KOREA

KOREAN BROADCASTING SYSTEM

Address: Office of Public Information, Pusan.

Leading Personality: Chief Engineer Mr. Hahn Ki Syan.

Home Service: HLKB 2510 kc/s 120.5 m, 7935 kc/s 37.81 m 1 kW.

From 21.00–23.30, 02.00–05.00, 08.00–15.30. A new s.w. station in Seoul (HLKA) will open shortly 10 kW.

MACAU (Portuguese China).

R. CLUB OF MACAO

Address: Broadcasting Station CR9AA, Macao.

Leading Personalities: President Dr. Cassvono C. de Castro Fonseca. Chief Engineer Mr. A. de M. Pinto.

Home Service: 09.00–15.00.

CR9AA 900 kc/s 330 m 0.25 kW.

Chinese 09.00–12.00, Portuguese 12.00–15.00.

Radio Japan Amichiko Ari Hiroshi Takahashi Korea Macau

MALAYA

BRITISH FAR EASTERN BROADCASTING SERVICE (see Gt. Britain).

RADIO MALAYA

Address: Department of Broadcasting, P.O. Box No. 3002. Singapore. *Cables:*, Broadcast, Singapore.

Leading Personalities: Director H. W. Jackson. Deputy Director Mr. F. N. Lloyd Williams. Acting Deputy Directors Mr. H. H. Beamish, Mr. A. T. Read. Director of Engineering. Mr. G. S. Miller, B. Sc. (Eng.), A. M. I. E. E. Chief Administrative Officer, Mr. D. A. Stephen. Director of Schools Broadcasts, Mr. E. H. Wilson. Chief News Editor, Mr. K. Sutton.

STATIONS:

Blue Network
English-Malay

	kc/s	m	kW
Singapore	620	484	10
Penang	810	370	2
Kuala Lumpur	695	434	10
Malacca	1073	279	0.05
Kuala Lumpur	6025	49.80	5
Singapore	7200	41.67	5

Red Network
Malay-Indian-Chinese

	kc/s	m	kW
Singapore	740	405	10
Penang	650	462	2
Malacca	1073	279	0.05
Kuala Lumpur	875	343	10
–	6025	49.80	5
Singapore	6135	48.90	5

Green Network: *Chinese*

Singapore	1333	225	10
	6175	48.60	5

DAILY PROGRAMMES:

Blue Network: W. 02.00–06.30, 09.30–15.30; Sat. 02.30–16.00. Sun. 01.30–15.30.

Red Network: W. 04.00–06.30, 09.30–14.30. Sat., Sun. 04.00–06.30, 09.30–14.30.

Green Network: D. 09.30–15.30.

English News: D. 02.30, 06.00, 10.45, 14.00.

Announcements: In *English, Malay, Chinese, Indian:* "This is the (Blue, Red or Green) network"; or "This is Radio Malaya, (Singapore), (Kuala Lumpur), (Penang) or (Malacca)".

Interval-Signal: C-C-A-G on a Hawaiian Guitar. – **Verification** by QSL-card.

NEPAL

Nepal Radio. Katmanduran

Station: 7100 kc/s 42.25 m 0.5 kW.

Daily Programmes in *Nepali* (and *English*): 03.45–04.30, 08.30–09.30, 13.45–15.15.

News in English: 13.45–14.00. – **Verification** by QSL-card.

PAKISTAN

Number of Listeners: Approx. 800.000.

RADIO PAKISTAN

Address: Radio Pakistan Headquarters, 71, Garden Road, Karachi 3. *Cable:* Pakbrocast, Karachi.

Leading Personalities: Controller of Broadcasting: Mr. Z. A. Bokhari. Director of Engineering: Mr. Riaz Ahmad. Deputy Director of Broadcasting (Progr.): Mr. Rashid Ahmed. Deputy Controller of Broadcasting (Adm.): Mr. Ahmad Salman. Director of News: Mr. Mohamad Sarfraz. Director of Staff Training Centre: Mr. S. S. Niazi. Director External Services & Monitoring: Mr. G. K. Farid. Deputy Director of Engineering: Agha Bashir Ahmed. Director of Programmes: Mr. H. Naseem. Public Relations Officer: Mr. Ansar Nasri. Administrative Officer: Mr. K. A. Mukhtar. *Station Directors:* Karachi Mr. Asnain Qutb. Dacca: Mr. Ahsanul Huque. Lahore: S. A. Hafeez. Peshawar: Mr. N. M. Rashed. Rawalpindi: Mr. Mahmud Nizami. Research Engineer: Mr. S. A. Aziz. Chief News Editor: Sh. Ahsanul Haque. Editor-in-Charge Radio Journals: Mr. Glulam Abbas. Engineer in Charge High Power Transmitters Mr. M. G. Baig (vice: Mr. Sadiq Shah who is under training in UK.); Maintenance Engineer Mr. M. A. Rahman (under training in UK.); *Station* Engineers: Dacca Mr. J. A. Ansari; Karachi Mr. S. Hasan; Peshawar Mr. N. Ahmed; Rawalpindi Mr. M. Sharif; Lahore Mr. G. Jeelani.

Radio Pakistan: Miss Jamila Razak broadcasts Sitar recital from Radio Pakistan, Karachi.

STATIONS:

Medium Waves:

	kc/s	m	kW		
Peshawar APP	629	476,9	10	West	Pakistan
Karachi APK1	825	363,6	10	–	–
Karachi	1450	206.9	10	–	–
Lahore APL1	1086	276,2	5	–	–
Dacca APD1	1167	257,1	5	East	Pakistan
Rawalpindi APR	1450	206,9	0.25	West	–

Shortwaves:

Karachi 50 kW

kc/s	m	kc/s	m	kc/s	m	kc/s	m
21690	13.83	15335	19.56	11650	25.75	6235	48.12
21630	13.87	15270	1965.	11580	25.91	6075	49.38
21590	13.90	15255	19.67	11570	25.93	6035	49.71
21580	13.90	11914	25.18	9755	30.75	5990	50.08
21570	13.91	11885	25.24	9645	31.10	5980	50.17
17835	16.82	11845	25.33	9484	31.63	4935	60.79
17770	16.88	11810	25.40	7270	41.27	4910	61.10
17750	16.90	11770	25.49	7263	41.31	4895	6129
17710	16.94	11726	25.58	7096.6	42.27		
15620	19.21	11674	25.70	7010	42.80		

kc/s	m	kW	kc/s	m	kW	kc/s	m	kW
3955	75.85	50/10	3915	76.63	50/10	2420	124.0	10
3945	76.05	50/10	3395	88.37	10			

Dacca 7.5 kW.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
17835	16.82	9645	31.10	7140	42.02	3955	75.85
15335	19.56	9614	31.20	6120	49.02	3460	86.71
15270	19.65	7667.5	39.13	6112	49.06	3325	90.23
11890	25.23	7655	39.19	6090	49.26	2350	127.7
11885	25.24	7623	41.29	5035	59.58		
11725	25.59	7150	41.96	4807	62.41		

Malaya Radio Pakistan Jamila Razak Nepal Pakistan

Lahore

kc/s	m	kW	kc/s	m	kW	kc/s	m	kW
11840	25.34	0.3*	6138	48.88	0.3	3469	86.46	0.3
11800	25.42	0.3	6075	49.38	0.3	3460	86.71	0.3
9645	31.10	10	6025	49.79	0.3	3335	89.42	0.3
7284	41.19	0.3*	4785	62.70	0.3	2400	124.0	0.3
7270	41.27	0.3	3915	76.63	0.3*			

*) Will be raised to 10 kW.

FM-stations *(see F. M. Stations of the World.)*

HOME SERVICES

Frequency (in meter band)	Hours of Transmission	Language
To West Pakistan		
60, 49, 41 & 31 m,b.	02.25–04.00 (S. 09.30)	Urdu
41, 31 & 25 m.b.	07.30–09.30	English
85, 60, 49, 41, 31 & 25 m.b.	12.30–15.45	Arabic Sindhi Bengali Pushto Kashmiri Baluchi
To East Pakistan		
31, 25, 19 & 16 m.b.	02.15–04.00 (S. 09.30)	Urdu
25, 19, 16 & 13 m.b.	07.00–09.30	English
31, 25, 19, 16 m.b.	12.30–15.45	Bengali
Lahore Zonal Services		
120, 90, 60, 49 & 41 m.b.	02.15–04.30 (S. 05.00)	Arabic Urdu
49, 41 & 31 m.b.	07.30–09.30	Punjabi
120, 90, 60, 49, 41 & 31 m.b.	12.30–18.00	English
Dacca Zonal Services		
60, 49 & 41 m.b.	01.00–03.00 (S. 03.30)	Arabic
49, 41 & 31 m.b.	06.00–07.30	Bengali
90, 60, 49 & 41 m.b.	11.00–16.30	Urdu English

NEWS:

English (relayed by all stations of RP)

	m.b.
02.30–02.45 in	42.27, 19.56
07.00–07.10 in	19.65, 16.94
08.30–08.40 in	31.10, 16.94
12.30–12.40 in	31.10, 19.65
15.15–15.30 in	50.08, 25.33

Urdu (relayed by all stations of RP)

	m.b.
02.45–03.00 in	42.27, 19.56
08.40–08.50 in	31.10, 16.94
12.40–12.50 in	31.10, 19.65
15.30–15.45 in	50.08, 25.33

Bengali (relayed by Dacca)

	m.b.
02.15–02.30 in	19.56
07.10–07.20 in	19.65, 16.94
14.15–14.30 in	50.08, 25.33

Pashtu

	m.b.
03.20–03.30 in	42.27
07.20–07.30 in	31.10, 16.94
12.50–13.00 in	31.10

Kashmiri 13.00–13.10 in 31.10 m.b.

Baluchi 13.15–13.30 in 31.10 m.b.

Sindhi 13.00–13.10 in 363.6 m.b. on 825 kc/s.

OTHER FIXED PROGRAMMES

National programme originates daily from Karachi at 14.30–15.15 in 50.08 and 25.33 m.b. respectively and is relayed by the stations on all Pakistan hook-up.

FOREIGN SERVICES:

Service and Frequencies	Hours of transmission	Language	Beam
Turkish			
49, 41, 31 & 25 m.b.	19.30–20.15	English	Turkey
U.K. Service			
49, 41, 31 & 25 m.b.	20.15–21.00	English	U.K.
South East Asian			
31, 25, 19 & 16 m.b.	01.15–02.00	Urdu	S.E.Asia
East & South African			
25, 19, 16 & 13 m.b.	04.15–05.00	Gujerati	S.E.Africa
South Asia			
41, 31, 25 & 19 m.b.	09.45–11.00	Urdu	S. Asia
Indonesian			
25, 19, 16 & 13 m.b.	11.30–12.15	Urdu	Indonesia
Burmese Service			
31, 25, 19 & 16 m.b.	13.30–14.15	Burmese	Burma
Afghan Persian			
90, 75, 49, 41, 31 25 m.b.	16.00–17.00	Afghan-Persian	Afghanistan
General Overseas Services for U.K., Iran, Middle East & Turkey			
75, 49, 41, 31 & 25 m.b.	17.10–17.30	English	Middle East, Turkey & Iran
Iranian			
75, 60, 49, 41, 31 & 25 m.b.	17.30–18.15	Iranian	Iran
Arabic			
75, 49, 41, 31 & 25 m.b.	18.15–19.15	Arabic	Middle East

Announcement: (English): "This is Radio Pakistan".

Verification by QSL-card or letter.

Right: *The Voice of Free China, Taiwan:* Miss Julia K. Y. Fang, English announcer. Links: *Radio France Asie:* Madame Suzanne Guillot, English announcer.

TAIWAN (Formosa)

Number of Listeners: 100.000.

Addresses: Broadcasting Corporation of China, Broadcasting House, No. 53, Ren Ai Road, Section 3, Taipei, Taiwan, China. – Broadcasting Corporation of China, Central Broadcasting Station, New Park, Taipei, Taiwan, China. – *Cable:* B.B.C. Taipeh.

Leading Personalities: Chairman of the Board of Directors Mr. Chang Tao-Fan. General Manager Mr. Hollington K. Tong. Deputy General Manager Mr. Tsang Hsi-ton K. Tong. Deputy Genaral Managers: Mr. Tseng Hsi-pei, Mr. Wu-Tao-e, Mr. Lo Hsuch-Lien (Director General Affairs Dept.). Program Director Mr. Chiu Nan. Chief-Engineer Mr. Yeo Sun-fei.

STATIONS:

Taiwan to China, Taiwan in Mandarin, Amoy.

	kc/s	m	kW	
BED22	750	400	10	21.30–02.00, 09.00–15.00.
BED9	1020	294	20	02.30–07.40, 09.00–15.00.
BED29	6095	49.22	3.5	21.30–24.00, 02.30–05.00, 09.00–17.00.

Central Broadcasting (The Voice of Free China) to Japan, Korea, Malay, China in Chinese Dialect, Japanese, Indonesian, Korean:

Taiwan Voice of Free China Julia K.Y. Fang Radio France Asie Suzanne Guillot

	kc/s	m	kW	
BED2	670	448	100	22.30–24.00, 05.00–06.00, 09.30–17.00.
BED6	11736	25.56	50	03.00–06.00, 09.30–17.00.
BED7	7130	42.10	20	09.30–17.00,

The Central Broadcasting Station to America in English, Mandarin, Cantonese:

	kc/s	m	kW	
BED3	15235	19.60	20	03.00–06.00.
BED4	11920	25.16	20	23.30–24.00, 18.00–20.00.

6 lower powered medium wave station.

FOREIGN SERVICE

To U.S.A. on 15235, 11735 **kc/s.**

04.00–05.00 News, Commentary, Talk, Chinese Music.

To Japan, Korea, Malaya, China on 670, 7130, 11735 kc/s. 10.30–17.30: News: Japanese 10.35, Malayan 12.45, Dictation-Speed 16.00–17.30.

To Europe, Near East on 11800 **kc/s.**

19.00–21.00: *News:* 19.05–19.20 Russian; 19.20–19.45 English; 19.50–20.15 French; 20.20–20.35 Arabic; 20.25–20.55 Chinese; *Chinese Music:* 19.45, 20.15.

Announcement: For each foreign language broadcast: "This is the Voice of Free China from the radio station of B.B.C. operating on 15235 and 11735 kc/s in the 19 and 25 m.b. This program for the benefit of our English-speaking friends in the U.S. of America can be heard every day from 03.00 to 04.00 GMT (in European Service from 19.00–21.00 GMT).«

Verification by QSL-card. Return postage not required.

Message to Listeners:
In our Foreign Service the Voice of Free China has seven languages beaming daily to America, Europe, Japan and Korea, Middle East, Southeast Asia and Southsea Islands. Our languages in general use are English, French, Japanese, Korean, Malayan, Russian and Arabic, together with a variety of Mandarin, Fukienses, Cantonese, as well as the Chinese Hakka, Chouchow, Turkistan and Tibetan dialects. The man in charge of this vast program in the Foreign Language Division is Dr. Elbert Chen. We should like very much that our listeners will make reports and advices on our programs.

THAILAND

Number of Listeners: Approx. 500.000.

Address: The Thai National Broadcasting, Public Relations Dept., Bangkok. *Cable:* Broadcasting Station Public Relations.

Leading Personalities: Director General Major-General Mr. M. L. Rharb Kunjara; Director of Overseas Broadcasting Dr. Witt Siwasariyanon; Chief Engineer Lieutenant Prosit Youngprida; Director of Home Service Mr. N. S. Sichoomsin.

HOME SERVICE IN THAI: 00.00–01.00 on 827, 11910 kc/s; 11.25–15.25 on 15915, 7142.8, 6240 kc/s.

	kc/s	m	kW		kc/s	m	kW
HSK1	827	363	10	HSK7	7142.8	42.01	2.5
HSK5	11910	25.18	2.5	HSK8	6240	48.07	2.5
HSK6	15915	18.85	2.5				

News: 00.25, 13.00.

FOREIGN SERVICE IN ENGLISH: 10.00–11.25 on 6240, 11910, 15915 kc/s.. 10.15 News, 10.25 Music, 10.45 Topical Talk or Press Review, 10.50 Music, 11.15 News.

Announcement: "This is the Overseas Broadcasting Station of Thailand."

Interval-Signal: National song and three chimes.

Verification by QSL-card. Return postage not required.

VIETNAM

Number of Listeners: 50·000.

RADIO FRANCE-ASIE

Address: 86, rue Maréchal de Lattre de Tassigny, P. O. Box 412, Saigon.–*Cable:* Radiasie.

Leading Personalities: Director General Mr. Jean Varnoux. Head of English Dept. Mr. Jean Pipon. Head of Chinese Dept. Mr. Jean M. de Kermadec. Head of Vietnamese Dept. Mr. Hoang-Kao Tang. Chief Editor Mr. P.-J. Laspeyres. Head of Music Dept. Mr. R. Barras.

HOME SERVICE: 22.00–22.30, 22.45–00.30, 01.45–02.30, 04.00–05.30, 10.00–15.30.M.W.=1,5 kW. S.W.=25 kW.

kc/s	m	kc/s	m	kc/s	m
1050	285	7230	41.49	11830	25
1300	230	9757	30.75	15420	19.41
6116	49.05				

In French: 22.00–22.30 on 9757; 23.00–00.30 on 6116; 01.45–02.30 on 11830; 04.00–05.30, 11.15–15.30 on 9757, 11830.

News 22.00, 23.15, 00.15, 01.45, 04.45, 12.15, 15.15, 16.00.

In Vietnamese: 22.45–23.30, 04.00–05.15, 10.00–13.00 on 7230 kc/s. *News* 23.10, 04.15, 05.10, 11.45, 12.50.

FOREIGN SERVICE: SEA=South East Asia. I=India. E=Europe. A=Australia. NZ=New Zealand. J=Japan.

English:

	kc/s			kc/s	
22.30–23.00	9757	(E).	09.00–10.30	15420	(A.NZ).
23.30–00.00	7230	(SEA).	14.00–16.00	11830	(I.SA).
01.30–01.45	11830	(I).			

News: 22.30, 23.30, 10.00 14.00.

Japanese:

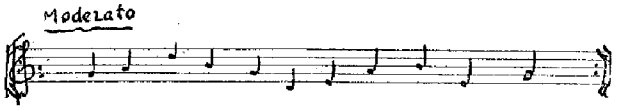
13.30–13.55 on 11830 (J).

Chinese: (Mandarin, Cantonese).

00.00–00.30 on 7230 (SEA).
03.15–04.00 on 7230 (SEA).
08.30–10.00 on 7230 kc/s (SEA).
13.05–13.30 on 11830 (SEA).

Announcement: "Ici Radio France Asie, La Voix de la France en Extreme Orient" – "This is Radio France Asie, the Voice of France in the Far East".

Interval-signal



Verification by QSL-card and over the air (Listeners' letterbox) – every Fri. at 09.00 on 15420 kc/s and at 22.30 on 11830 kc/s.

RADIODIFFUSION NATIONALE DU VIET-NAM

Address: 3, rue Richaud, Saigon (Viet-Nam).

Leading Personalities: Director, M. Nguyen-Huu-An. Chief of "Station Regionale du Centre V.N. *Radio-Hue*", M. Ton-That-Canh. Chief of "Station Regionale P.M.S. *Radio Dalat*", M. Ung-Hoi. Chief of "Station Rigionale du Nord V.N. *Radio-Hanoi*", M. Vu-Ngoc-Lam.

STATIONS:

La Voix Du Viet-Nam:

838 kc/s	358	m	1 kW	Home Service.			
6180 –	48.56	–	1 –	7288 kc/s	41.17	m	12 kW
7090 –	42.31	–	12 –	9620 –	31.19	–	12 –

Radio-Hue (Central station) 7205 kc/s 41.63 m 1 kW.
Radio-Dalat (Station P.M.S.) 7265 kc/s 41.29 m 1 kW.
Radio-Hanoi (Station Nord) 6165 kc/s 48.66 m 1 kW.
Radio Hirondelle (The Voice of the French Army) 7408 kc/s 40.50 m.
Radio Laos: 7215 kc/s 41.59 m.
Radio Cambodia: 6090 kc/s 49.26 m.
DAILY PROGRAMMES:
La Voix du Viet-Nam: In *Vietnamese* and *French:* 23.00–00.30, 03.15–05.30, 10.00–15.00. **In English:** 14.30–15.00. **On** 7205 **kc/s (Hue)** in *Vietnamese:* 23.30–24.00, 02.30–03.30, 04.00–05.15, 10.00–13.00. *News:* 23.30, 04.15, 07.00. In **French:** 04.30–04.45, 10.00–12.30. *News:* 04.30, 10.15. **On** 7265 **(Dalat)** in *Vietnamese:* 10.30–11.30. In **French:** 04.30–04.45, 10.00–12.30. *News:* 04.30, 10.15.
(Sat. only): 11.30–12.00.
On 9670 **kc/s (Hanoi)** in *Vietnamese*, **French, English** and *Chinese:* 23.00–00.00, 03.30–05.15, 10.00–13.30. *News:* Vietnamese 23.20, **French:** 23.05, 04.45, **English:** 10.45.
On 7408 **kc/s:** In *French* 04.00–06.30, 10.30–15.00. Irregularly.
On 7215 **kc/s:** News in *French:* 13.00–13.15.
On 6090 **kc/s:** News in *French* at 12.00 and News relayed from Radio France-Asia at 23.15–23.45.
ANNOUNCEMENTS: Saigon. In *Vietnamese* "Dây Lá Dái Phát-Thanh Quôc-Gia, Tiêng Nói Nuòc Viêt-Nam, Phát-Thanh Tu' Thu Dô Saigon....". In *French* "Ici "La Voix du Vietnam", diffusée du Poste National de Saigon". In *English:* "This is the Voice of Vietnam bringing you our nightly English language broadcast".
Interval-Signal for La Voix du Viet-Nam:

Verification by QSL-card and letter.

PACIFIC

AUSTRALIA

Number of Listeners: 1.900.348. **Language:** English.
Addresses: Australian Broadcasting Commission, Head Office, 264, Pitt Street, Sydney. Overseas Service, "Radio Australia", P.O. Box 780, G.P.O., Melbourne.
Leading Personalities: Chairman Mr. R. J. F. Boyer. Vice-Chairman, Mr. E. R. Dawes. General Manager: Mr. C. J. A. Moses. Assistant General Manager, Mr. A. N. Finlay. Controller of Programmes, Dr. K. L. Barry.

HOME SERVICES (Australian Capital)

2CY	Canberra Regional	850 kc/s	353 m	10	kW
2CN	Canberra*)	1,540 –	195 –	2	–

New South Wales
Metropolitan: 21.00–13.30 (Sat. 14.00). 2BL 20.00–13.00.

2FC	Sydney	610 kc/s	492 m	10	kW
2BL	Sydney	740 –	405 –	10	–

Regional:

260	Riverina	670 kc/s	448 m	7,5	kW
2CR	Central	500 –	545 –	10	–
2LG	Lithgow	1570 –	191 –	0,2	–
2NA	Hunter River	820 –	366 –	2	–
2NB	Broken Hill	760 –	395 –	1	–
2NC	Hunter River I	1230 –	244 –	2	–
2NR	N. Rivers	700 –	429 –	7	–
2NU	N. Tablelands	650 –	462 –	10	–
2TR	Manning River	720 –	417 –	0,2	–

Radio Australia: Miss Lesley Hartung: Compere "Forces Request Programme" (Friday 10.00–10.30) and "Calling Antarctica" (Friday 09.45–10.00). Mr. Ron White, who presents "Mailbag" and "Hit-Parade" programmes.

Victoria
Metropolitan: 3AR 21.00-13.30 (S. 14.00). 3LO 20.00-13.00.

3AR	Melbourne	620 kc/s	484 m	10	kW
3LO	Melbourne	770 –	390 –	10	–

Regional

3GI	Grippsland Regional	840 kc/s	357 m	7	kW
3WV	Western Regional	580 kc/s	517 m	10	kW

Queensland
Metropolitan: 4QG 21.00–13.30(24.00). 4QR 20.00–13.00.

4QG	Brisbane	790 kc/s	380 m	10	kW
4QR	Brisbane	590 –	508 –	10	–

Regional

4AT	Atherton	680 kc/s	441 m	0.5	kW
4QB	Wide Bay	910 –	330 –	2	–
4QL	Longreach	540 –	556 –	0.2	–
4QN	North	630 –	476 –	7	–
4QS	Darling Downs	750 –	400 –	10	–
4RK	Rockhampton	940 –	319 –	2	–
4QY	Cairns	890 –	337 –	2	–
4QA	Mackay	720 –	417 –	2	–
4GM	Gympie	1540**)	195 –	0.2	–
4SO	Southport	1590 –	189	0.2	–

**) to be changed to 1570.

South Australia.
Metropolitan: 5CL 21.15 (Sun. 21.30)–14.00 (Sat. 14.30). 5AN 20.30–13.30.

5AN	Adelaide	890 kc/s	337 m	2	kW
5CL	Adelaide	730 –	411 –	5	–

Regional

5CK	North R.	640 kc/s	469 m	10	kW
5LN	Port Lincoln	1530 –	196 –	0.2	–

Western Australia
Metropolitan: 6WF 23.00-15.30 (Sat. 16.00). 6WN 22.00–15.00.

6WF	Perth	690 kc/s	435 m	5	kW
6WN	Perth	800 –	375 –	10	–

Regional

6GF	Goldfields	720 kc/s	417 m	2	kW
6GN	Geraldton	820 –	366 –	2	–
6WA	South West	560 –	536 –	10	–

Tasmania
Metropolitan: 7ZL 21.00–13.30; 7ZR 22.00–13.00.

7ZL	Hobart	600 kc/s	500 m	2	kW
7ZR	Hobart	1160 –	259 –	0.5	–

Regional

7NT	N. Regional	710 kc/s	423 m	7	kW

Northern Territory

5AL	Alice Springs	1530 kc/s	196 m	0.05	kW
5DR	Darwin	1500 –	200 –	0.2	–

Pacific Australia Lesley Hartung Ron White

Papua

9PA Port Moresby 1250 kc/s 240 m 0.5 kW

SHORT WAVE SERVICE (Domestic)

VLH Lyndhurst, Victoria 10 kW. VLI Sydney, N.S.W. 2 kW. VLM Brisbane, Queensland 10 kW. VLQ Brisbane, Queensland 10 kW. VLR Lyndhurst, Victoria 5 kW. VLT Port Moresby, Papua 2 kW. VLW Perth, West Australia 2 kW. VLX Perth, West Australia 10 kW.

VLJ6 6090 kc/s, 49.26m, 20.00(Sun.20.30)–12.30(Sat.14.00)

VLH11 11880 kc/s, 25.25 m, 20.00(Sun. 20.30)–23.15.

VLH15 15230 kc/s, 19.70 m, 23.30–08.15.

VLH9 9680 kc/s, 30.99 m, 08.30–13.30(Sat. 14.00).

VLR6 6150 kc/s, 48.78 m, 20.00(Sun. 20.30)–22.15, 08.30–13.00.

VLR9 9680 kc/s, 30.99 m, 22.30–08.30.

VLQ9 9660kc/s, 31.06m, 20.00(Sun.20.30)–13.30(Sat.14.00)

VLM4 4917.5 kc/s, 61.01 m, 20.00(Sun. 20.30)–13.00(Sat. 14.00). *News:* as VLI.

VLW9 9610 kc/s, 31.22 m, 22.00(Sun. 20.30)–02.15, 10.15–15.30 (Sat. 16.00).

VLW11 11830 kc/s, 25.36 m, 02.30–10.00.

VLX4 4897.5 kc/s, 61.26 m, 22.00(Sun. 22.30)–02.15, 10.15–15.30(Sat. 16.00).

VLX9 9610 kc/s, 31.22 m, 02.30–10.00.

VLT7 7280 kc/s, 41.21 m, 20.45(Sun. 21.45)–22.45(Sat. 22.30, Sun. 01.00), 08.15–12.45(Sat. 13.00).

VLT9 9520 kc/s, 31.51 m, W: 02.00–03.45(Sat. 08.00), 06.00(Sat. 02.00)–08.00.

FOREIGN SERVICE (RADIO AUSTRALIA)

Stations: VLA, VLB=100 kW., VLC=50 kW., VLG=10 kW., VLA, VLB, VLC=Shepparton. VLG=Lyndhurst.

	kc/s	m		kc/s	m
VLC7	7240	41.44	VLA11	11850	25.32
VLC7	7220	41.55	VLB11	11850	25.32
VLA7	7280	41.21	VLG11	11850	25.32
VLC7	7280	41.21	VLC11	11870	25.27
VLB9	9540	31.45	VLA11	11880	25.25
VLC9	9540	31.45	VLB11	11880	25.25
VLG9	9540	31.45	VLG11	11880	25.25
VLB9	9560	31.38	VLG11	11900	25.21
VLC9	9560	31.38	VLB15	15160	19.79
VLA9	9580	31.32	VLG15	15160	19.79
VLB9	9580	31.32	VLA15	15200	19.74
VLG9	9580	31.32	VLB15	15200	19.74
VLA9	9615	31.20	VLC15	15200	19.74
VLB9	9615	31.20	VLG15	15200	19.74
VLC9	9615	31.20	VLC15	15210	19.72
VLB9	9650	31.09	VLG15	15210	19.72
VLA9	9680	30.99	VLA15	15220	19.71
VLB9	9680	30.99	VLC15	15220	19.71
VLC9	9680	30.99	VLA15	15230	19.70
VLG9	9680	30.99	VLG15	15230	19.70
VLA11	11710	25.62	VLG15	15240	19.69
VLG11	11710	25.62	VLA15	15320	19.58
VLB11	11740	25.55	VLB15	15320	19.58
VLA11	11760	25.51	VLC15	15320	19.58
VLB11	11760	25.51	VLG15	15320	19.58
VLC11	11760	25.51	VLA17	17800	16.85
VLG11	11760	25.51	VLB17	17800	16.85
VLA11	11770	25.49	VLC17	17800	16.85
VLB11	11770	25.49	VLA17	17840	16.82
VLA11	11810	25.40	VLC17	17840	16.82
VLB11	11810	25.40	VLB21	21540	13.93
VLC11	11810	25.40	VLA21	21600	13.89
VLC11	11840	25.34	VLB21	21600	13.89
VLG11	11840	25.34	VLC21	21680	13.84

ENGLISH

For listeners in the British Isles and Europe

07.45–08.45 on 9580 kc/s. 14.00–16.15 on 9580, 15320 kc/s.
18.00–20.00 on 7215 – 18.00–23.00 on 11760 –

For the Forces in Japan, Korea and listeners in North Pacific Islands.

W. 02.55–04.15 on 17790 kc/s.
Sat. 02.00–07.30 on 21540 –
Sun. 02.00–04.15 on 21540 –
D. 08.58–13.55 on 9580 –
D. 08.28–10.00 on 11810 –
D. 20.15–21.55 on 15200 –
Sat. 21.00–23.00 on 15160 – exc. Sat.

For listeners in South and South-East Asia.

02.55–08.15 on 17840 kc/s.
04.30–07.30 on 21540 – exc. Sat.
06.45–07.15 on 15210 –
08.28–16.15 on 15320 –
08.45–09.45 on 17840 –
10.15–11.45 on 11810 –
11.15–14.00 on 17840 – exc. Fri.
Fri. 11.15–12.00 on 17840 –
Fri. 13.00–14.00 on 17840 –
14.00–16.15 on 9580 –
22.13–23.00 on 17840 –
Sat. 22.13–02.55 on 17840 –
Sun. 22.30–02.55 on 17840 –
23.00–03.00 on 15210 –

For listeners in Africa

04.30–05.45 on 15200 kc/s. 15.00–16.15 on 11810 kc/s.

For listeners in North America

02.55–04.15 on 15200 kc/s to West Coast areas
12.00–14.00 on 11810 – to East Coast area
14.00–15.00 on 11810 – to Central and Mountain ar.
15.00–16.15 on 11810 – to West Coast area.

FRENCH

06.00–06.45 on 11760 kc/s To Europe, Tahiti
06.00–06.45 on 15210, 21540 kc/s To Indochina
07.30–08.30 on 11850 kc/s To New Caledonia.

INDONESIAN

10.00–11.00 on 15320, 7220 kc/s To Indonesia.

THAI

12.15–12.45 (Fri.) on 11850 kc/s To Thailand.

Announcements: "This is Radio Australia Calling" or "This is Radio Australia transmitting the Overseas Service of the Australian Broadcasting Commission".

Tuning and Interval Signal: Music box playing "Waltzing Mathilda" for five minutes preceding transmissions. Transmissions commence with clock chimes and the laugh of the Kookaburra. Gongs are used as programme cues only. "Waltzing Mathilda" in March tempo precedes and concludes all News Bulletins. Indonesian transmissions open with "Waltzing Mathilda" played on piano-accordian with instrumental ensemble. Thai transmissions open with "The People's Song" and conclude with the Thai National Anthem.

Verification by QSL-card. A 20 page Programme Guide is published quarterly and issued free of charge.

HAWAII

Voice of America. Relay Station.

Address: Voice of America, P.O.Box 3740, Honolulu, or Voice of America, New York 19, N.Y., U.S.A.

Stations: Honolulu – 100/1.2 kW.

6160 kc/s	48.70 m	–	15130 kc/s	19.83 m
6195 –	48.43 m	–	15250 –	19.67 –
9570 –	31.35 –	–	15330 –	19.57 –
9650 –	31.09 –	–	17780 –	16.87 –
11790 –	25.45 –	–	17800 –	16.85 –
11890 –	25.23 –			

Daily Programmes (see U.S.A. and United Nations): 07.15–08.45 Relay U. N. – 09.00–16.00 Relay VOA
Announcement: "This is Honolulu, relaying the Voice of America." **Verification** by QSL-card.

NEW CALEDONIA

Address: Radio Noumea "La Voix de la France dans le Pacifique", Service de l'Information, Noumea.
Leading Personalities: Managing Director, Mr. Gavary. Chief of Secretariat, Miss M. Charbonneaux.
Stations: Noumea.
1500 kc/s 200 m 0.5 kW – 6035 kc/s 49.71 m 1 kW
Daily Programmes in *French:* 00.00–02.00, 07.00–10.30. *News:* 01.00, 01.55, 08.30, 10.25.
Announcement: "Noumea, La Voix de la France dans le Pacifique". **Verification** by QSL-card.

NEW GUINEA (Dutch)

Radio Omroep Nieuw Guinea te Hollandia.
A division of the Government Information Service for the benefit of Dutch and native inhabitants of the western half of the island.
Address: R.O.N.G. at Hollandia, Netherlands New Guinea.
Leading Personalities: Director Mr. G. F. van Velzen; Director of Programmes Mr. D. van Os.
Stations: 7126.6 kc/s 42.10 m 0.5 kW (National).
Daily Programmes in *Dutch:* D. 09.30–12.00 and Sun. 02.00–04.00. – *News:* 20.00.
Announcement: "Hier Radio Omroep Nieuw-Guinea te Hollandia".
Interval-Signal: "Wij leven vrij, wij leven blij": sol do sol mi do mi sol sol sol.
Verification by QSL-card.

NEW ZEALAND

Number of Listeners: Approx. 500.000.
Address: Radio New Zealand, P.O.Box 2396, Wellington N.Z. *Cable:* "Natbroadcast.", Wellington N.Z.
Leading Personalities: Director Mr. William Yates. Chief Engineer Mr. W. L. Harrison. Programme Supervisor, Mr. U. del'H. Williams.
HOME SERVICE:

Wellington 2YA	570 kc/s	526.3 m	60 kW	18.00–10.30
Wellington 2YC	660 kc/s	461.5 m	60 kW	05.00–10.30
Christchurch 3YA	690 kc/s	434.8 m	10 kW	18.00–10.30
Invercargill 4YZ	720 kc/s	417.0 m	5 kW	18.00–10.30
Auckland 1YA	760 kc/s	400.0 m	10 kW	18.00–10.30
Dunedin 4YA	780 kc/s	385.0 m	10 kW	18.00–10.30
Rotorua 1YZ	800 kc/s	375.0 m	10 kW	18.00–10.30
Auckland 1YC	880 kc/s	341.0 m	10 kW	06.00–10.30
Napier 2YZ	860 kc/s	346.0 m	10 kW	18.00–10.30
Dunedin 4YC	900 kc/s	333.0 m	10 kW	05.00–10.30,
Christchurch 3YC	960 kc/s	312.0 m	10 kW	05.00–10.30
Greymouth 3YZ	920 kc/s	326.1 m	10 kW	18.00–10.30
Wellington 2ZB	980 kc/s	306.1 m	10 kW	18.00–12.00
Dunedin 4ZB	1040 kc/s	288.0 m	10 kW	18.00–10.30
Auckland 1ZB	1070 kc/s	280.4 m	10 kW	18.00–10.30
Christchurch3ZB	1100 kc/s	271 m	10 kW	18.00–10.30

FOREIGN SERVICE:

ZL7	6.080	49.34	ZL8	9.620	31.19	ZL14	17.820 16.84
ZL11	6.130	48.94	ZL3	11.780	25.47	ZL15	21.480 13.97
ZL12	7.220	41.55	ZL9	11.810	25.40	ZL16	21.580 13.90
ZL13	7.290	41.15	ZL10	15.220	19.71	ZL6	26.580 11.63
ZL18	9.520	31.51	ZL4	15.280	19.63	ZL17	26.000 11.54
ZL2	9.540	31.45	ZL5	17.770	16.88		

Two of the above frequencies are operated (with programmes in parallel) simultaneously from Radio New Zealand's two transmitters. Each has a power of 7.5 kilowatts.
18.00–06.45 Relay Home Service.
07.00–10.45 (Sat. 11.20. Sun. 10.00) "Calling Australia and the Isles".
18.00–20.15 on ZL2 to Australia, on ZL9 to Pacific. 20.30–06.45 on ZL10 to Australia, on ZL4 to Pacific (to 04.45).
07.00–close down on ZL2 to Australia, on ZL3 to Pacific (from 05.00). Close down 10.45.
News: 08.30, 10.30. – *Mail Box:* Fri. 09.15. – *This Radio Age:* 09.15 the first Tues in each month presented by Mr. Cleve Costello.
Announcement: "This is Radio New Zealand, the Shortwave Division of the New Zealand Broadcasting Service", or "This is New Zealand Calling".
Interval-Signal: Call of native bird: the Tui.
Verification by QSL-card. Return postage not required. Questions in letters are replied to in "Mail Box" at 09.15 on Fridays.

PHILIPPINES

BACOLOD BROADCASTING COMPANY
Address: Kizal Street, Bacolod City, Negros Occ. (Commercial).
Stations: *Radio Bacolod.*
DYB-2 4985 kc/s, 60.19 m, 0.25 kW.
Daily Programmes in *English* and *Visayan:* 21.00–15.00.

BOLINAO ELECTRONICS CORPORATION.
Address: Vera Cruz Street, San Juan, Rizal, (Commercial).
Leading Personality: President, Mr. James B. Lindenberg.
Station. *Rizal:*
Manila DZBC 1000 kc/s 300.0 m 1 kW.
Manila DZI2 9550 – 31.41 – 0.3 – relay DZBC.
Daily Programmes: DZBC: 21.00–16.00. *News in English:* 22.45, 04.20, 09.45, 15.00.

CEBU BROADCASTING CO.
Address: Lim Bonfing Blg., Cebu City.
Stations: DYRC 600 kc/s 500 m 1 kW.
DYH2 6140 – 48.86 – 1 – relayDYRC.
Daily Programmes: D. 22.00–16.00. *Languages:* English and Visayan, occasionally Spanish.
Announcement: "Cebu Calling". **Verification** by QSL-card.

FAR EAST BROADCASTING COMPANY
Non-Commercial Missionary Broadcasting Station.
Address: Box 2041, Manila, P.I.
Leading Personalities: President, Mr. John C. Broger. Vice-President, Mr. Robert H. Bowman. Executive Secretary, Mr. William J. Roberts. Station Manager, Mr. Maximo D. Atienza.
Stations: DZAS 6 kW. Other stations 2 kW.

DZAS	680 kc/s	441.2 m	DZH7	9730 kc/s	30.81 m
DZB2	3320 –	90.25 –	DZH9	11855 –	25.31 –
DZH6	6030 –	49.75 –	DZH8	15300 –	19.60 –

Phillippine Service:
W.: 20.55–01.30, 04.00–06.00, 08.00–14.00. Sun. 20.55 –16.00.

NEWS: Tagalog 22.30. English 21.45, 23.30, 01.00, 05.00, 10.00, 13.30. – All news also on 3325, 6030 kc/s.
SPANISH: 04.30–05.00.
Overseas Service:
W.: 21.00–06.00, 08.00–17.00. Sun. 21.00–17.00.
English on all frequencies. Other languages all s.w. frequencies exc. 3325 kc/s.
English: W.: 23.30–01.30, 05.00–06.00, 08.00–10.15, 12.00–14.00, 15.00–15.30. Sun.: 23.00–05.00, 05.30–10.30, 11.30–16.00. *News:* 23.30, 01.00, 05.00, 10.00, 13.30.
French: Tues. Thurs. Sat.: 04.30–05.00 on 9730, 15300 kc/s.
Japanese: W.: D. 21.30–22.30 on 15300, 9730 kc/s; W.: 03.30–04.00 on 15300, 9730 kc/s; W.: 10.45–11.00 on 15300, 9730, 6030 kc/s; Sun.: 05.00–05.30 on 15300, 9730,
Indonesian: W.: 22.45–23.00, 03.00–03.30 on 15300, 9730 kc/s; 10.15–10.30 on 15300, 9730, 6030 kc/s.
Siamese: W.: 11.00–11.30 on 15300, 9730, 6030 kc/s.
Announcement: "This is the Call of the Orient" or "This is the Far Eastern Broadcasting Company, Manila". Station announcements in English are given every half-hour. They give call-letters, frequencies and the time in the Philippines. **Verification** by QSL-card.

MANILA BROADCASTING COMPANY (Commerc.)
Address: 7th Floor, Insular Life Building, Manila.
Leading Personalities: President, Mr. Frederico Elizalde. Vice President, Mr. William J. Dunn. General Manager, Mr. W. H. Wallace.
HOME SERVICE 21.00–16.00. *On 650 kc/s* from 21.00–15.00.

	kc/s	m	kW		kc/s	m	kW	
DZRH	650	461.5	10	DZH4	6000	50.00	1	*)
DZMB	760	394.7	1	DZH2	9640	31.12	1	**)

*) relay DZMB. **) relay DZRH.
On 9640 *kc/s in* **English** *from* 21.00–16.00: *News:* 22.45, 00.00, 05.00, 08.55, 14.00.
On 6000 *kc/s in* **English** *from* 21.00–16.00: *News:* 22.00, 23.00, 04.00, 15.55.
Announcements: *DZH-2:* "This is MBC, the Manila Broadcasting Company" followed by three chimes c, a and f, and "This is DZH-2, The Voice of the Philippines".
Interval Signal: Every hour on the hour an automatic half second time tone.

THE MINDANAO COLLEGES BROADC. SYSTEM
Address: Davao City, Mindanao.
Home Service in *English:* 22.00–05.00, 07.00–14.15.
DXH-2 7280 kc/s 41.21 m 0.3 kW
Announcement: "This is MCBS, The Mindanao Colleges Broadcasting System. DXH-2, The Voice of Davao, broadcasting from the heart of Davao".

PHILIPPINE BROADCASTING CORPORATION (Commercial).
Address: Ramon Roces Building, 4th Floor, Manila.
Leading Personalities: General Manager, Mr. Raymond E. Spencer. Publicity Manager, Mr. E. L. Martelino. Chief Engineer, Mr. E. S. Augustin.
Home Service: DYBU/DYH3 21.30–15.00. DZP1/DZH3 22.00–15.00.

Cebu:	kc/s	m	kW		kc/s	m	kW
DYBU	1250	240	1	DYH3	6100	49.18	0.25
Manila:							
DZP1	800	375	10	DZH3	9500	31.58	0.25

Far East News: 23.00, 04.30, 13.00, 14.55.
Announcement: "Radio Philippines". **Verification** by QSL-card.

THE PEOPLES STATION (Government).
Address: Radio Station DZFM, 4th Floor, City Hall, Manila.
Leading Personalities: Managing Director, Mr. Francisco Trinidad. Programme Director, Mr. Eduardo Avelino. Chief Engineers Mr. L. Quintos, Mr. J. Dy.
Home Service: 21.00–15.00.

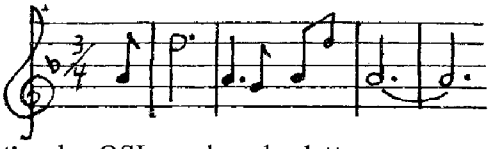
	kc/s	m	kW		kc/s	m	kW
DZFM	710	422.5	10	DUH2	6170	48.62	0.25

News in English: 21.40, 23.00 (not Sat.), 02.00 (6170 only), 04.30, 07.30 (UN News), 13.00, 14.00.
Verification by letter. Return postage not required.

RADIO FREE ASIA
Address: Radio Free Asia, Committee for Free Asia, Inc., P.O.Box 3223, 105 Market Street, S. Francisco 19, California.
For reports, comments or suggestions: Post Office Box 3161, Manila.
Leading Personalities: Director Mr. John W. Elwood, Deputy Director Mr. James Day. Executive Engineer Mr. Royal V. Howard.
FOREIGN SERVICE: D. exc. Mo. 12.00–14.20.

Manila	DZI3	6110 kc/s	49.10 m	10 kW
	DZI7	11940 –	25.13 –	10 –
Guam	KUJ39	9490 –	31.61 –	1 –

English: 13.45–14.00. **Cantonese:** 12.15–12.50. **Mandarin:** 13.00–13.55. Each broadcast consist of News and commentary. On *Wednesdays* a special feature: "*The Free World speaks*" and *Sundays: People's Letter.*
Announcement: "This is Radio Free Asia, the voice of free men speaking to the freedom-loving peoples of Asia". or "You are listening to Radio Free Asia, which broadcasts at this same hour every night, except Monday. If you have any comments or suggestions we invite you to write us at this address: Post Office Box 3161, Manila."
Interval-signal:



Verification by QSL-card or by letter.

THE REPUBLIC BROADCASTING SYSTEM.
Address: Radio Station DZBB, 866 Espana Extension, Quezon City, Manila (Commercial).
Leading Personalities: General Manager, Mr. Robert Stewart. Traffic Manager, Mr. George Gil Viduya.
Stations: *Manila.*
DZBB 580 kc/s 517.2 m 10 kW – DZI3 6110 kc/s 49.10 m 5 kW.
Daily Programmes:
21.00–17.00 in *English, Spanish, Chinese, Tagalog.*
News in English: 04.45, 13.45. *Request Pr.:* 18.00, 20.00.
SILLIMAN UNIVERSITY (Educat. and Missionary).
Address: Dumaguete City, Oriental Negros.
Leading Personalities: Administrative Director, Mr. H. R. Bell. Programme Director, Miss Abby Jacobs. Chief Engineer, Mr. D. A. Cabrera.
Home Service in *English & Visayan:* 10.00–14.00
DYSR 840 kc/s 357.1 m 1 kW
DYH4 6055 – 49.55 – 0.25 –
News: 11.15 (Tues. Fri.).
11.30–12.00 daily: Programmes of Christian thought and inspiration. 12.00–12.30: Music.

CANADA AND THE UNITED STATES OF AMERICA

EDMONTON
CALGARY
WINNIPEG
VANCOUVER
QUEBEC
MONTREAL
VERSHERES
TORONTO
SACKVILLE
SYDNEY
ST. JOHNS
HALIFAX
SCHENECTADY
BOSTON
SCITUATE
BRENTWOOD
BETHANY
CINCINNATI
BOUND BROOK
WAYNE
BELMONT
SAN FRANCISCO
DELANO
HERMOSILLO
TAMPICO
GUADALAJARA
VERA CRUZ
MEXICO CITY
BELIZE
TEGUCIGALPA
COLON
MANAGUA
PANAMA CITY

Canadian Broadcasting Corporation. The International Service. Kans Konow *(left)* and Edw. Omholt-Jensen, announcer-producers, rehearsing a broadcast in Norwegian from the studios of the International Service in Montreal.

Raymond Swing. Political Commentator, broadcasts over the voice of America. Raymond Swing, the Voice of America's political commentator, brings an extensive background as news commentator, newspaperman, foreign correspondent, and editor to his present work. Mr. Swing is heard Monday through Friday at 1615 GMT in Europe and at 0100 GMT in Latin America.

map Canada USA Kans Konow CBC Canadian Broadcasting Corporation Edwald Omholt-Jensen Raymond Swing VoA

Announcement: "This is station DYSR and DYH4 with a call from the Philippines – – for Christian living – – and One-World Brotherhood".
Interval Signal: At the opening chimes from the school bell. **Verification** by QSL-card; no postage required.

UNIVERSITY OF SANTO TOMAS.
Address: Catholic University of Santo Tomas, Manila.
Leading Personalities: Station Director, Father Antonio Pinon. Station Manager: Atty. Narciso Pinentel Jr.
Home Service: 10.00–14.00 in *English, Spanish & Tagalog.*
DZST 860 kc/s 348.8 m 1 kW
DZH5 9690 – 30.96 – 0.25 –
News in English: 10.15–10.30. *News in Spanish:* 12.45–13.00. *University of Air:* Daily 12.15–12.30.
Announcement: "This is the Voice of Catholic Philippines, stations DZST and DZH5, Manila"
Verification by QSL-card. and/or letter.

THE VOICE OF AMERICA IN MANILA
Address: The Voice of America c/o The Embassy of The United States of America.
Leading Personalities: Regional Director (FAR EAST) U.S. Dept of State IIA/IBS; Acting Director Manila Relay Base IIA/IBS Mr. Carl A. Bauer.
Stations: m. w. 50 kW.; s. w. 7.5/50 kW.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
920	326.0	9530	31.48	11895	25.20	15250	19.67
6125	48.98	11890	25.23	15245	19.68	17780	16.87

920 kc/s 10.00–22.30. On s. w. from 22.00–16.00. News, weatherreports in English to the P. I.
Further details: see USA (VOA and UN).
Announcement: "This is Manila relaying the Voice of America".
Verification by QSL-card. Return postage not required.

TAHITI

Address: Le Directeur du Centre d'Information, Papeete.
Leading Personalities: Director of Information, Mr. d'Astier de la Vigerie. Director of Broadcasting, Mr. Marc. Darnois. Chief-Engineer, Mr. P. Lemarais.
Station: 6135 kc/s, 48.90 m, 1 kW.
Daily Programmes: *Tahitian* 21.30–22.00, 03.45–05.00. *French* 22.00–22.30, 05.00–06.30.
News (English): Sat. & Sun. 05.15.
Interval-Signal: Tahitian Drums.
Announcement: Ici Radio-Tahiti, la voix de la France.
Verification by QSL-card.

CANADA

CANADIAN BROADCASTING CORPORATION
CBC INTERNATIONAL SERVICE
Address: Canadian Broadcasting Corporation, International Service, P. O. Box 7.000, Montreal, Canada. *(Cable:* "Intrad"*)*.
Leading Personalities: Director General Jean Désy. General Supervisor C. R. Delafield. Assistant General Supervisor A. L. Pidgeon. Senior Engineer F. P. Johnson. Press & Information Representative J. M. Reynolds.
Stations:
All international shortwave broadcasts from Canada are directed by CBC International Service, which is owned by the people of Canada. All programs are produced in Montreal and beamed from 50-kilowatt transmitters at Sackville, New Brunswick, near the Atlantic Coast. The CBC International Service was inuagurated Feb. 25, 1945.

	kc/s	m		kc/s	m
CKNA	5970	50.25	CKRA	11760	25.51
CKRZ	6060	49.50*†	CKEX	11900	25.21†
CKOB	6090	49.26*†	CKLX	15090	19.88†
CHAC	6160	48.70*	CKCX	15190	19.75†
CKLP	9585	31.30	CKCS	15320	19.58†
CHLS	9610	31.22	CKNC	17820	16.84†
CKLO	9630	31.15†	CKRP	21600	13.89
CKXA	11705	25.63	CHLA	21710	13.82
CHOL	11720	25.60†			

* Only in use in the winter period. † European Service. The Sackville frequencies listed above are those assigned to Canada by international agreement.

EUROPEAN SERVICE
12.20–14.05 Relay for Canadian Forces in Europe (Sun. only).
13.00–14.05 Relay for Canadian Forces in Europe (Sun. only).
13.25–13.45 Commentaries from U.N. (Mo.–Fri.).
13.45–14.05 Relay for Canadian Forces in Europe (exc. Sat., Sun.).
14.05–14.15 Announcements "Progr. Preview.
14.15–14.45 Russian.
14.45–15.15 Ukrainian (Sun. to 15.00).
15.00–15.30 Commentaries from U.N. (Mo.–Fri.).
15.00–16.00 Finnish & Swedish for Finland (Sun. only).
15.15–15.45 Programmes for Europe (Mo.–Sat.).
15.45–16.00 Flemish for Belgium (Mo.–Sat.).

16.00–16.30	Czech	19.00–19.20	Swedish
16.30–16.45	German	19.20–19.40	Norwegian
16.45–17.00	Dutch	19.40–20.00	Danish
17.00–17.30	English	20.00–20.30	German
17.30–17.45	Czech	20.30–21.00	Italian
17.45–18.15	French	21.00–21.30	Russian
18.15–18.45	Dutch	21.30–22.00	French
18.45–19.00	English	22.00–22.30	Czech

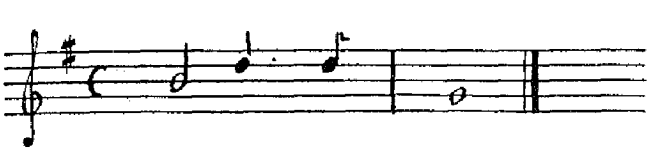
22.30–23.00 English (Sat. Sun. only).
22.30–23.05 English (exc. Sat. Sun.).
23.00–23.30 Czech (Sat. Sun. only).
23.05–23.15 French (exc. Sat. Sun.).
23.15–23.30 German (exc. Sat. Sun.).

CARRIBEAN & LATIN AMERICAN SERVICE

23.50–01.00	Portuguese	03.00–04.00	Spanish (exc. Sat.)
01.00–02.00	Spanish	03.00–03.15	Dutch (Sat. only)
02.00–02.30	French	03.15–04.00	Spanish (Sat. only)
02.30–03.00	English		

AUSTRALASIAN SERVICE
08.25–08.45 Relay for Canadian Forces in Korea.
08.45–09.50 English (Sun. & Wed. only).

Programme to the Northwest and Arctic Settlements Territories: *From the end of November to May on* 6090 *and* 9630 *kc/s:* 04.20–05.00 Northern Messenger, English. Mo. only.
Interval Signal: First four notes of the National Anthem »O Canada«:

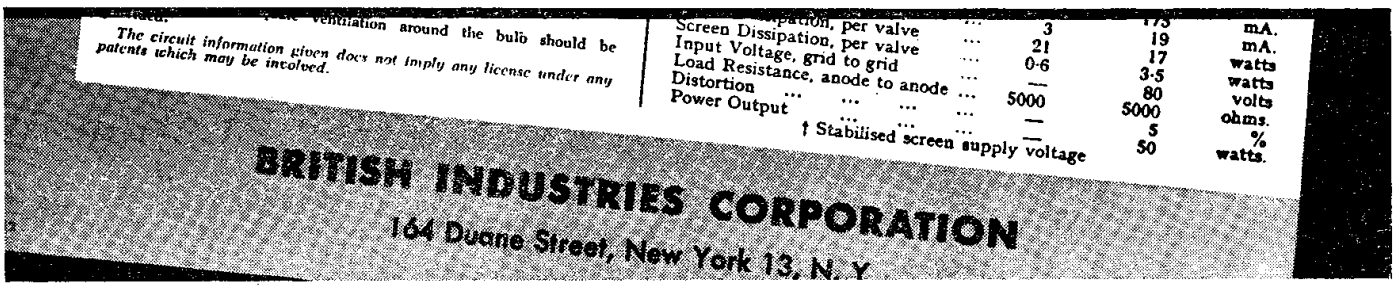


Message to Listeners: The Voice of Canada greets short-

THE FAMOUS KT 66 . . . IN USE ALL OVER AMERICA AND ACKOWLEDGED TO BE THE FINEST BEAM TETRODE EVER MADE

IS AN Osram VALVE MADE IN ENGLAND

The photographic reproduction is taken from literature published in America by the British Industries Corporation and gives an entirely unsolicited tribute to this fine valve.



THE GENERAL ELECTRIC COMPANY LIMITED OF ENGLAND.
MAGNET HOUSE, KINGSWAY, LONDON.

advertisement General Electric

wave listeners everywhere, and welco mes queries and com ments of all kinds. Please write to Box 7.000, Montreal. **Verification** by letter or QSL-card.

HOME SERVICE:
Addresses: Canadian Broadcasting Corporation, 140 Wellington Street, Ottawa, Ontario (Head Office). Following are the locations of regional offices: T. A. Building, St. John's, Newfoundland (Newfoundland Region); United Services Building, Halifax, Nova Scotia (Maritime Region); 1425 Dorchester Street West, Montreal, Quebec (Quebec Region); 354 Jarvis Street, Toronto, Ontario (Ontario Region); 300 Manitoba Telephone System Building, Winnipeg, Manitoba (Prairie Region); 701 Hornby Street, Vancouver, British Columbia (Pacific Region); EUROPEAN OFFICES: 200 Oxford Street, London W. 1., England; NEW YORK OFFICE: c/o United Nations, New York, N. Y., U.S.A.
Leading Personalities: Chairman of the Board of Governors Mr. A. D. Dunton, Ottawa. General Manager Mr. Donald Manson, Ottawa. Assistant General Manager Mr. J. A. Ouimet, Montreal. Director General of Programs Mr. E. L. Bushnell, Toronto. Director General of Engineering Mr. G. W. Olive, Montreal. Director of French Network Mr. Marcel Ouimet, Montreal. Director of Press and Information Mr. R. G. Fraser, Toronto.

ENGLISH NETWORKS

	kc/s	m	kW		
Newfoundland					
CBN	640	470	10	St. John's	
CBG	1450	207	0.25	Gander	
CBT	1350	222	1	Grand Falls	
CBY	790	379	1	Corner Brook	
CBNX	5970	50.25	0.3	St. John's	relays CBN
Atlantic					
CBI	1570	191	1	Sydney, N.S.	
CBH	1330	225	0.1	Halifax, N.S.	
CBA	1070	280	50	Sackville, N.B.	11.00–04.30
Mid-Eastern					
CBM	940	319	50	Montreal, Que.	12.30–05.10
CBO	910	329	1	Ottawa, Ont.	
CBL	740	405	50	Toronto, Ont.	12.30–05.10
CJBC	860	349	50	Toronto, Ont.	12.30–05.00
CBE	1550	194	10	Windsor, Ont.	11.45–05.10
Prairie					
CBW	990	303	50	Winnipeg, Man.	12.45–06.10
CBK	540	556	50	Watrous, Sask.	13.45–07.10
CBX	1010	297	50	Edmonton, Alta.	13.45–07.10
Pacific					
CBU	690	435	10	Vancouver, B.C.	15.45–08.10
CBRX	6160	48.70	0.15	Vancouver, B.C.	relay CBU

FRENCH NETWORK

CBF	690	435	50	Montreal, Que.	12.30–05.00
CBV	980	306	1	Quebec City, Que.	
CBJ	1580	190	10	Chicoutimi, Que.	12.30–05.00

The programmes of these networks are carried by many lower powered private stations.

FM-stations *(see F. M. Stations of the World.)*
Announcement: All stations announce by giving call letters and location every half hour. CBC stations sign on with the National Anthem "O Canada" and sign off with "O Canada" and "God Save the Queen".

PRIVATE STATIONS

	kc/s	m	kW		
CFCF	600	498	5	Montreal	10.00–05.30
CKAC	730	410	25/10	Montreal	
CKLW	800	375	50	Windsor	24 hours per day exc. Sun.
CHNS	960	312	5	Halifax	
CFRB	1010	297	50	Toronto	09.45–05.05
CFCN	1060	283	10	Calgary	13.00–07.00
CFCX	6005	49.96	0.07	Montreal	relay CFCF
CJCX	6010	49.92	1	Sydney	relay CJCJ
CFVP	6030	49.75	0.1	Calgary	relay CFCN
CFRX	6070	49.42	1	Toronto	relay CFRB
CKFX	6080	49.34	0.01	Vancouver	09.45–05.05
CHNX	6130	48.94	0.5	Halifax	relay CHNS 10.00–04.10
VED	7320	40.98	5	Edmonton	relay CBX

CFCF, CFCX - Address: Station CFCF, 4824 Cote des Neiges Rd. Montreal 25. *Cable:* Canmar. **Leading Personalities:** Broadcast Manager Canadian Marconi Co. Mr. V. George. Station Manager Mr. G. A. Hammond. Program Manager Mr. R. Thompson. Chief Engineer Mr. A. Clapp. **Language:** English. **Verification** by QSL-card; return postage not required. – **FM-station** *(see F. M. Stations of the World.)*
CFRB, CFRX – Address: Rogers Radio Broadc. Comp., 37 Bloor Street West, Toronto 5. **Leading Personality:** Manager Mr. D. O. Smith. **Verification** by QSL-card.
CFCN, CFVP – Address: The Voice of the Prairies Ltd, Toronto General Trusts Building, Calgary, Alberta. **Leading Personalities:** President Mr. H. G. Love. Chief Engineer Mr. R. W. Lamb. *News:* 15.00, 19.30, 05.30. **Verification** by QSL-card.

VED – Address: Dept. of National Defence, Headquarters, NWT and Yukon Radio System, Royal Canadian Corps Signal, MPO 1315, Edmonton, Alberta. **Leading Personality:** Commanding Officer Lt. Col. D. Grant.
CHNX – Address: P.O.Box 400, Halifax, Nova Scotia. **Verification** by QSL-card.

UNITED STATES OF AMERICA

"THE VOICE OF AMERICA" is operated by the Broadcasting Service of the Department of State's International Information Administration. The VOA aims to promote an increased understanding of the United States among the peoples of the world and to strengthen cooperative international relations.
VOA radio relay installations are located at Honolulu, Manila, Colombo, Munich, Tangier, Salonika and aboard the VOA's floating transmitter—the U.S. Coast Guard cutter "Courier". Relay facilities are also leased from the BBC.
Programs are written, produced and broadcast from studios in New York, N.Y., Washington, D.C., and Munich, Germany.
Address: "The Voice of America", 1790 Broadway, New York 19, N.Y.
Leading Personalities: Administrator. International Information Administration Dr. Wilson Compton; Deputy Administrator for the Broadcasting Service Mr. Alfred Hammond Morton; Chief, Division of Radio Program Operations Mr. Alfred Puhan; Chief, Division of Radio Facilities Plans and Development Mr. George Q. Herrick; Chief, Division of Radio Facilities Operations Mr. James

F. Thompson; Chief, Division of Radio Program Evaluation Mr. Leo Lowenthal.

Stations:

KWID (100 kW), KWID2 (50 kW) The Associated Broadcasters, Inc., Mark Hopkins Hotel, San Francisco, Calif.
WABC1 (50 kW), WABC2 (50 kW), WABC3 (50 kW). Columbia Broadcasting System, Inc., Brentwood, N.Y.
WABC5, WABC6 (50 kW). Columbia Broadcasting System, Wayne, New Jersey.
KCBR1 (200 kW), KCBR2, KCBR3 (50 kW), KCBR4, KCBR5 (100 kW). Columbia Broadcasting System, Inc., Delano, Calif.
WLWO3, WLWO4, WLWO5, WLWO6, WLWO7, WLWO8 (200 kW). The Crosley Broadcasting Corporation, Bethany, Ohio.
WLWO1 (75 kW), WLWO2 (50 kW). The Crosley Broadcasting Corporation, Mason, Ohio.
WGEO1 (100 kW), WGEO2 (50 kW), WGEO3 (25 kW). General Electric Company, 1 River Road, Schenectady,
KGEI1 (50 kW), KGEI2 (100 kW). General Electric Company, Belmont, Calif.
WRCA1, WRCA2, WRCA3, WRCA4, WRCA5, WRCA6. (50 kW). National Broadcasting Company, Inc., Bound Brook, New Jersey.
KRCA1 (200 kW), KRCA2, KRCA3 (50 kW), KRCA4, KRCA5 (100 kW). National Broadcasting Company, Inc., Dixon, Calif.
WBOS (50 kW). Westinghouse Radio Stations, Inc., Hull, Massachusetts.
WRUL1, WRUL2, WRUL3 (50 kW), WRUL4 (20 kW), WRUL5 (80 kW). World Wide Broadcasting Corporation, Scituate, Massachusetts.

Station	kc/s	m	Station	kc/s	m
WRCA	6020	49.83	KGEI	9670	31.02
KCBR	6040	49.67	WRCA	9670	31.02
WLWO	6040	49.67	KRCA	9670	31.02
KRCA	6060	49.50	WRCA	9675	31.01
WABC	6060	49.50	WLWO	9685	30.98
KGEI	6075	49.38	KCBR	9700	30.93
WLWO	6080	49.34	WLWO	9700	30.93
WRCA	6100	49.18	WRCA	9700	30.93
WABC	6120	49.02	WLWO	11710	25.62
WRUL	6140	48.86	KGEI	11730	25.58
WABC	6170	48.62	WRUL	11740	25.55
KRCA	6185	48.50	WRCA	11775	25.48
WRCA	6190	48.47	KRCA	11790	25.45
KCBR	6195	48.43	WRUL	11790	25.45
KRCA	9515	31.53	KCBR	11810	25.40
WLWO	9520	31.51	WABC	11830	25.36
WABC	9530	31.48	WRCA	11830	25.36
WGEO	9530	31.48	KWID	11860	25.30
KCBR	9530	31.48	KRCA	11870	25.27
WRCA	9550	31.41	WGEO	11870	25.27
WLWO	9560	31.38	KWID	11870	25.27
WRCA	9560	31.38	KRCA	11890	25.23
KWID	9570	31.35	WRCA	11890	25.23
WBOS	9570	31.35	WGEO	11900	25.21
WABC	9590	31.28	KGEI	15105	19.86
KCBR	9590	31.28	KRCA	15130	19.83
KCBR	9600	31.25	WLWO	15130	19.83
KRCA	9600	31.25	WRCA	15130	19.83
WRCA	9615	31.20	KGEI	15130	19.83
KRCA	9650	31.09	WLWO	15165	19.78
WABC	9650	31.09	WLWO	15190	19.75
WLWO	15200	19.74	KGEI	17760	16.89
KGEI	15210	19.72	WGEO	17760	16.89
WBOS	15210	19.72	KCBR	17770	16.88
WRCA	15210	19.72	WRCA	17780	16.87
KRCA	15240	19.69	WLWO	17795	16.86
WRUL	15230	19.70	KRCA	17800	16.85
WLWO	15240	19.68	WLWO	17800	16.85
WLWO	15250	19.67	KRCA	17830	16.83
KCBR	15270	19.65	WABC	17830	16.83
WABC	15270	19.65	KCBR	17850	16.81
WRUL	15280	19.63	KRCA	21460	13.98
WRUL	15285	19.63	WABC	21500	13.95
WRUL	15310	19.60	WRCA	21500	13.95
KCBR	15315	19.59	WLWO	21520	13.94
WGEO	15330	19.57	WGEO	21590	13.90
WLWO	15330	19.57	WRCA	21610	13.88
KCBR	15330	19.57	WLWO	21650	13.86
KCBR	15340	19.56	WABC	21570	13.91
WLWO	15350	19.54	WRCA	21730	13.81
WRUL	15350	19.54	KCBR	21740	13.80
WRUL	17750	16.90	KGEI	21740	13.80
KWID	17760	19.89			

Courier: Seaborne Relay Base aboard V.S.C.G.C. "Courier", currently located at the island of Rhodes.
Address: Voice of America, New York 19. N.Y.

Stations:	1394 kc/s	215 m	150 kW
	6015 –	49.88 –	35 –
	7200 –	41.67 –	35 –

Daily Programmes:
On 1394, 6015 kc/s: 17.00 Turkish; 17.30 Persian; 18.00 Hebrew; 18.30, 19.00, 19.30 Arabic; 20.00 English, 21.45 Arabic.
On 1394, 6015, 7200 kc/s: 22.30 Armenian; 23.00 Georgian; 23.15 Azerbaijani; 23.45 Tatar.
Announcement: "This is the Courier, seaborne relay base of the Voice of America".
Verification by QSL-card.

RELAY STATIONS

For shortwave frequencies of the relay stations, refer to the individual countries: Germany, Greece, Gt. Britain, Tangier, Hawaii, Philippines.
Announcement:
Each program ends with the words: "This program has come to you from the United States of America", in the language of the program.
Interval-Signal: The tune "Yankee Doodle".
Verification by QSL-cards.

Schedule for Voice of America see next page.

ARMED FORCES RADIO SERVICE

The Armed Forces Radio Service is a section of the United States Armed Forces Information and Education Division. It presents regular short wave schedules from both New York City and Los Angeles using the transmitters of the "Voice of America".
The Armed Forces Radio Service strives to keep American servicemen the best educated, best informed and best entertained servicemen in the world.
Address: Commanding Officer, New York Branch Office, Armed Forces I&E Division, 641 Washington Street, New York 14, N.Y. – Officer in Charge, Armed Forces Radio Service, 1016 North Mc-Cadden Place, Los Angeles 38, California.

Continued page 90

TO EUROPE, NEAR & MIDDLE EAST

GMT	November thru February		March-April Sept.-Oct.		May thru August	
	USA	Relay Stations	USA	Relay Stations	USA	Relay Stations
	(Meter Bands)		(Meter Bands)		(Meter Bands)	
04.45–05.00 **ALBANIAN**	—	31, 41, 49	—	31, 41, 49	—	25, 31, 41, 49
09.45–10.00	—	41, 49	—	41, 49	—	41, 49
12.00–12.15	—	19. 25, 31, 41	—	19, 25, 31, 41	—	19, 25, 31, 49
17.15–17.30	13, 16, 19	25, 31, 41, 49, 251, 379	13, 16, 19	19, 25, 31, 41, 251, 379	16, 19	19, 25, 31, 41, 251, 379
22.30–22.45	—	31, 41, 49	—	31, 41, 49	—	31, 41, 49
17.30–18.00 **ARABIC**	13, 16, 19	25, 31, 41	13, 16, 19	19, 25, 31	16, 19, 25	19, 25, 31
18.30–19.00	—	49, 215	—	49, 215	—	49, 215
19.00–19.30	19, 25, 31	31, 41, 49, 215	16, 19, 25	25, 31, 49, 215	16, 19, 25	19, 25, 49, 215
19.30–20.00	—	49, 215	—	49, 215	—	49, 215
20.45–21.15	—	49, 215	—	49, 215	—	49, 215
01.45–02.15 **ARMENIAN**	—	31, 41, 49	—	31, 41, 49	—	25, 31, 41, 49
10.30–11.00	—	19, 25, 31	—	19, 25, 31	—	19, 25, 31
14.45–15.15	13, 16, 19	13, 16, 19, 25, 31	13, 16, 19	13, 16, 19, 25, 31	16, 19	16, 19, 25, 31
22.30–23.00	—	41, 49, 215	—	41, 49, 215	—	41, 49, 215
05.45–06.00 **AUSTRIAN**	—	215, 240, 397	—	215, 240, 397	—	215, 240, 397
18.45–19.00	19, 25, 31	215, 240, 397 417, 531	16, 19, 25	215, 240, 397 417, 531	16, 19, 25	215, 240, 397 417, 531
02.45–03.00 **AZERBAIJANI**	—	31, 41, 49	—	31, 41, 49	—	25, 31, 41, 49
10.15–10.30	—	19, 25, 31	—	19, 25, 31	—	19, 25, 31
13.45–14.15	13, 16, 19	13, 16, 19, 25, 31, 41	13, 16, 19	13, 16, 19, 25, 31, 41	16, 19	16, 19, 25, 31, 41
16.30–16.45	—	19, 25, 31	—	19, 25, 31	—	19, 25, 31
23,15–23,45	—	41, 49, 215	—	41, 49, 215	—	41, 49, 215
00.45–01.15 **BULGARIAN**	—	31 41, 49	—	31, 41, 49	—	25, 31, 41, 49
11.00–11.30	—	19, 25, 31, 41	—	19, 25, 31, 41	—	19, 25, 31, 41
17.00–17.15	13, 16, 19	25, 31, 41, 49, 379	13, 16, 19	19, 25, 31, 49, 379	16, 19	19, 25, 31, 49, 379
19.30–20.00	19, 21, 31	31, 41, 49	16, 19, 25	25, 31, 41	16, 19, 25	19, 25, 31
04.45–05.00 **CZECH/SLOVAK**	—	31, 41, 49, 251	—	31, 41, 49, 251	—	25, 31, 41, 49, 251
08.00–08.15	—	41, 49	—	41, 49	—	41, 49
11.45–12.00	—	19, 25, 31, 41, 49	—	19, 25, 31, 41, 49	—	19, 25, 31, 41, 49
17.30–18.00	13, 16, 19	25, 31, 41, 49 251	13, 16, 19	19, 25, 31, 49, 251	16, 19, 25	19, 25, 31, 49, 251
20.00–20.30	19, 25, 31	31, 41, 49, 251	19, 25, 31	25, 31, 49, 251	16, 19, 25	19, 25, 49, 251
21.45–22.00	25, 31, 49	31, 41, 49	19, 25, 31	31, 41, 49	19, 25, 31	25, 31, 41, 49
23.45–00.00	—	31, 41, 49, 251	—	31, 41, 49, 251	—	31, 41, 49, 251
16.00–16.15 **ENGLISH**	13, 16, 19	41, 49	13, 16, 19	31, 49	16, 19	31, 49
16.15–17.00	13, 16 19	31, 41, 49, 224 464	13, 16, 19	25, 31, 41, 224, 464	16, 19	25, 31, 41, 224, 464
17.15–17.45	13, 16, 19	25, 31, 49	13, 16, 19	19, 25, 49	16, 19	19, 25, 49
17.45–18.00	13, 16, 19	25, 31, 49	13, 16, 19	19, 25, 49	16, 19	19, 25, 49
19.00–19.30	19, 25, 31	31, 41, 49	16, 19, 25	25, 31, 49	16, 19, 25	25, 31, 49
20.00–20.15	19, 25, 31	31, 41, 49, 215	19, 25, 31	25, 31, 49, 215	19, 25, 31	25, 31, 49, 215
21.45–22.15	25, 31, 49	31, 41, 49	19, 25, 31	31, 41, 49	19, 25, 31	25, 31, 49
00.15–00.30 **ESTONIAN**	—	31, 41, 49, 251	—	31, 41, 49, 251	—	25, 31, 41, 49, 251
03.45–04.00	—	31, 41, 49	—	31, 41, 49	—	25, 31, 41, 49
09.00–09.15	—	19, 25	—	19, 25	—	19, 25
13.00–13.15	—	19, 25, 31, 41	—	19, 25, 31, 41	—	19, 25, 31, 41
15.30–15.45	13, 16, 19	25, 31, 49, 251	13, 16, 19	19, 25. 49, 251	16, 19	19, 25, 49, 251
18.30–18.45	19, 25, 31	41, 49, 251	16, 19, 25	31, 41, 49, 251	16, 19, 25	31, 41, 49, 251
20.15–20.30	19, 25, 31	31, 41, 49	19, 25, 31	25, 31, 49	19, 25, 31	19, 25, 31, 49
16.30–16.45 **FINNISH**	13, 16, 19	31, 41, 49	13, 16, 19	25, 31, 41	16, 19	19, 25, 31. 41
18.30–18.45	19, 25, 31	31, 41, 49	16, 19, 25	25, 31, 49	16, 19, 25	19, 25, 31, 41
17.30–18.00 **FRENCH**	13, 16, 19	RDF	13, 16, 19	RDF	16, 19, 25	RDF
03.00–03.15 **GEORGIAN**	—	31, 41, 49	—	31, 41, 49	—	25, 31, 41, 49
10.00–10.15	—	19, 25, 31	—	19, 25 31	—	19, 25, 31
11.45–12.00	—	19, 25	—	19, 25	—	19, 25
15.15–15.30	13, 16, 19	19, 25, 31, 41	13, 16, 19	19, 25, 31, 41	16, 19	19, 25, 31, 41
16.45–17.00	13, 16, 19	25, 31, 41	13. 16, 19	19, 25, 31	16, 19	19, 25, 31
23.00–23.15	—	41, 49, 215	—	41, 49, 25	—	41, 49, 215
17.45–18.00 **GERMAN**	—	49, 375, 506, 522	—	49, 375, 506, 522	—	49, 375, 506, 522
18.00–18.30	19, 25, 31	49, 251, 303, 439	16, 19, 25	49, 251, 303, 439	16, 19, 25	49, 251, 303, 439
21.45–22.00	25, 31, 49	49, 303	19, 25, 31	49, 303	19. 25, 31	49, 303
16.15–16.30 **GREEK**	13, 16, 19	25, 31, 288, 379, 412	13, 16, 19	19, 25, 31, 288, 379, 412	16, 19	19, 25, 31, 288, 379, 412
19.15–19.30	19, 25, 31	31, 41, 288, 379, 412	16, 19, 25	25, 31, 288, 379, 412	16. 19, 25	25, 31, 288, 379, 412
18.00–18.30 **HEBREW**	19, 25, 31	25, 31, 49, 215	16, 19, 25	19, 25, 49, 215	16, 19, 25	19, 25, 49, 215
10.15–10.30 **HUNGARIAN**	—	41, 49	—	41, 49	—	41, 49
11.45–12.00	—	31, 41, 49	—	31, 41, 49	—	31, 41, 49
19.00–19.30	19, 25, 31	31, 41, 49, 379	16, 19, 25	25, 31, 49, 379	16, 19, 25	19, 25, 49, 379
20.45–21.15	19, 25, 31	31, 41, 49	19, 25, 31	31, 41, 49	19, 25, 31	25, 31, 41, 49
21.30–21.45	—	49, 251	—	41, 49, 251	—	41, 49, 251
23.15–23.45	—	31, 41, 49	—	31, 41, 49	—	31, 41, 49
14.15–14.30 **ITALIAN**	—	RAI	—	RAI	—	RAI

TO EUROPE, NEAR & MIDDLE EAST (CONT'D)

GMT	November thru February		March-April Sept.-Oct.		May thru August	
	USA	Relay Stations	USA	Relay Stations	USA	Relay Stations
	(Meter Bands)		(Meter Bands)		(Meter Bands)	
17.30–17.45	13, 16, 19	25, 31, 41	13, 16, 19	19, 25, 41	16, 19	19, 25, 41
20.30–20.45	19, 25, 31	31, 41, 49, 251	19, 25, 31	25, 31, 49, 251	19, 25, 31	25, 31, 49, 251
00.30–00.45 **LATVIAN**	—	31, 41, 49, 251	—	31, 41, 49, 251	—	25, 31, 41, 49 251
04.00–04.15	—	31, 41, 49, 251	—	31, 41, 49, 251	—	25, 31, 41, 49, 251
09.30–09.45	—	19, 25, 31, 49	—	19, 25, 31, 49	—	19, 25, 31, 49
13.15–13.30	—	19, 25, 31, 49	—	19, 25, 31, 49	—	19, 25, 31, 49
15.45–16.00	13, 16, 19	25, 31, 49, 251	13, 16, 19	19, 25, 49, 251	16, 19	19, 25, 49, 251
20.00–20.15	19, 25, 31	31, 41, 49	19, 25, 31	25, 31, 49	19, 25, 31	25, 31, 49
00.00–00.15 **LITHUANIAN**	—	31, 41, 49, 251	—	31, 41, 49, 251	—	25, 31, 41, 49, 251
04.15–04.30	—	31, 41, 49	—	31, 41, 49	—	25, 31, 41, 49
09.15–09.30	—	31, 41, 49	—	31, 41, 49	—	31, 41, 49
16.00–16.15	13, 16, 19	25, 31, 41, 49, 251	13, 16, 19	19, 25, 31, 49, 251	16, 19	19, 25, 31, 49, 251
18.30–18.45	—	41, 49, 251	—	31, 41, 49, 251	—	31, 41, 49, 251
21.00–21.15	25, 31, 49	31, 41, 49	19, 31, 49	31, 41, 49	19, 31, 25	31, 41, 49
16.30–17.00 **PERSIAN**	13, 16, 19	25, 31, 41	13, 16, 19	19, 25, 31	16, 19	19, 25, 31
18.30–19.00	19, 25, 31	25, 31, 41	16, 19, 25	19, 25, 31	16, 19, 25	19, 25, 31
05.30–06.00 **POLISH**	—	31, 41, 49	—	31, 41, 49	—	25, 31, 41, 49
07.30–08.00	—	19, 25, 31, 41	—	19, 25, 31, 41	—	19, 25, 31, 41
10.30–11.00	—	41, 49	—	41, 49	—	41, 49
16.15–16.45	13, 16, 19	25, 31, 41, 49, 251	13, 16, 19	19, 25, 31, 49, 251	16, 19	19, 25, 31, 49, 251
19.30–20.00	19, 25, 31	49, 251	19, 25, 31	41, 49, 251	16, 19, 25	41, 49, 251
20.30–21.00	19, 25, 31	31, 41, 49	19, 25, 31	25, 31, 49	19, 25, 31	25, 31, 49
20.15–20.45 **PORTUGUESE**	19, 25, 31	31, 41, 49	19, 25, 31	25, 31, 41	19, 25, 31	25, 31, 41
07.00–07.30 **RUMANIAN**	—	19, 25, 31, 41	—	19, 25, 31, 41	—	19, 25, 31, 41
16.45–17.00	13, 16, 19	25, 31, 41, 49	13, 16, 19	19, 25, 31, 49	16, 19	19, 25, 31, 49
19.30–20.00	19, 25, 31	31, 41, 49	19, 25, 31	25, 31, 41	16, 19, 25	19, 25, 31, 41
22.45–23.15	—	31, 41, 49	—	31, 41, 49	—	31, 41, 49
01.15–01.45 **RUSSIAN**	—	31, 41, 49, 251, 379	—	31, 41, 49, 251, 379	—	25, 31, 41, 49, 251, 379
03.15–03.45	31, 49	31, 41, 49, 251, 379	31, 49	31, 41, 49, 251, 379	25, 31, 49	25, 31, 41, 49, 251, 379
06.00–06.30	—	19, 25, 31, 41	—	19, 25, 31, 41	—	19, 25, 31, 41
08.30–09.00	—	19, 25, 31, 41	—	19, 25, 31, 41	—	19, 25, 31, 41
12.30–13.00	—	19, 25, 31, 41	—	19, 25, 31, 41	—	19, 25, 31, 41
14.15–14.45	13. 16, 19	13, 16, 19, 25, 31, 41, 49	13, 16, 19	13. 16, 19, 25, 31, 41, 49	13, 16, 19	16, 19, 25, 31, 41, 49
16.45–17.00	—	25, 49, 251	—	25, 49, 251	—	25, 49, 251
18.00–18.30	19, 25, 31	25, 31, 41, 49	16, 19, 25	19, 25, 31, 41, 49	16, 19, 25	19, 25, 31, 41, 49
21.15–21.45	25, 31, 49	25, 31, 41, 49	19, 25, 31	19, 25, 31, 41, 49	19, 25, 31	19, 25, 31, 41, 49
21.45–22.00	—	41, 49, 251	—	41, 49, 251	—	41, 49, 251
05.00–05.15 **SERBO-CROAT**	—	31, 41, 49	—	31, 41, 49	—	31, 41, 49
17.45–18.00	13, 16 19	25, 31, 49, 379	13, 16, 19	19, 25, 49, 379	16, 19, 25	19, 25, 49, 379
19.00–19.30	19, 25, 31	31, 41, 49, 251	16, 19, 25	25, 31, 49, 251	16, 19, 25	19, 25, 49, 251
17.00–17.15 **SLOVENE**	13, 16, 19	25, 31, 49, 251	13, 16, 19	19, 25, 49, 251	16, 19	19, 25, 49, 251
20.45–21.30 **SPANISH**	25, 31, 49	41, 49, 251	19, 25, 31	31, 41, 251	19, 25, 31	31, 41, 251
02.15–02.30 **TATAR**	—	31, 41, 49	—	31, 41, 49	—	25, 31, 41, 49
09.45–10.00	—	19, 25, 31	—	19, 25, 31	—	19, 25, 31
13.30–13.45	13, 16, 19	13, 16, 19, 25, 31, 49	13, 16, 19	13, 16, 19, 25, 31, 49	16, 19	16, 19, 25, 31, 49
16.15–16.30	13, 16, 19	25, 31, 41, 49	13, 16, 19	19, 25, 31, 41	16, 19	19, 25, 31, 41
23.45–00.00	—	41, 49, 215	—	41, 49, 215	—	41, 49, 215
02.30–02.45 **TURKESTANI**	—	31, 41, 49	—	31, 41, 49	—	25, 31, 41, 49
08.00–08.15	—	19, 25, 31	—	19, 25, 31	—	19, 25, 31
16.00–16.15	13, 16, 19	25, 31, 41	13, 16, 19	19, 25, 31	16. 19	19, 25, 31
05.15–05.30 **TURKISH**	—	31, 41, 49, 379	—	31, 41, 49, 379	—	31, 41, 49, 379
17.00–17.30	13, 16, 19	25, 31, 49, 215	13, 16, 19	19, 25, 49, 215	16, 19	19, 25, 49, 215
06.30–07.00 **UKRAINIAN**	—	19, 25, 31, 49	—	19, 25, 31, 49	—	19, 25, 31, 49
15.30–16.00	13, 16, 19	19, 25, 31, 41	13, 16, 19	19, 25, 31, 41	16, 19	19, 25, 31, 41
18.30–19.00	19, 25, 31	25, 31, 41, 49	16, 19, 25	19, 25, 31, 41, 49	16, 19, 25	19, 25, 31, 41, 49

Programs for which no USA meter bands are shown, are repeats of earlier broadcasts, programs transmitted via point to point facilities, or overseas originated programs.

U. S. A.

TO FAR EAST

GMT	November thru February		March-April Sept.-Oct.		May thru August	
	USA	Relay Stations	USA	Relay Stations	USA	Relay Stations
	(Meter Bands)		(Meter Bands)		(Meter Bands)	
10.30–11.00 **AMOY**	31, 49	25, 31, 49, 326	31, 49	25, 31, 49, 326	25, 31, 49	25, 31, 49, 326
12.00–12.30 **BURMESE**	31, 49	19, 49	31, 49	19, 49	25, 31, 49	19, 25, 31
13.00–13.30 **CANTONESE**	31, 49	25, 31, 49, 326	31, 49	25, 31, 49, 326	25, 31, 49	25, 31, 49, 326
15.30–16.00	31, 49	25, 31, 49, 326	31, 49	25, 31, 49, 326	25, 31, 49	25, 31, 49, 326
23.00–23.30	13, 16, 19	25, 31, 49	13, 16, 19	25, 31, 49	13, 16, 19	25, 31, 49
10.30–11.00 **ENGLISH**	31, 49	19, 49	31, 49	19, 49	25, 31, 49	19, 25, 31
11.30–12.00	31, 49	19, 49	31, 49	19, 49	25, 31, 49	19, 25, 31
13.00–13.30	31, 49	19, 49	31, 49	19, 49	25, 31, 49	19, 25, 31
14.00–14.15	31, 49	25, 31, 49, 326	31, 49	25, 31, 49, 326	25, 31, 49	25, 31, 49, 326
14.45–15.00	31, 49	25, 31, 49, 326	31, 49	25, 31, 49, 326	25, 31, 49	25, 31, 49, 326
15.30–16.00	31, 49	19, 49	31, 49	19, 49	25, 31, 49	19, 25, 31
11.00–11.30 **INDONESIAN**	31, 49	19, 49	31, 49	19, 49	25, 31, 49	19, 25, 31
15.00–15.30	31, 49	19, 49	31, 49	19, 49	25, 31, 49	19, 25, 31
09.30–10.00 **JAPANESE**	31, 49	19, 25, 31, 49	31, 49	19, 25, 31, 49	25, 31, 49	19, 25, 31, 49
10.30–11.00 **KOREAN**	31, 49	25, 31, 49	31, 49	25, 31, 49	25, 31, 49	25, 31, 49
13.30–13.45	31, 49	19, 49	31, 49	19, 49	25, 31, 49	19, 25, 31
22.30–23.00	13, 16, 19	25, 31, 49	13, 16, 19	25, 31, 49	13, 16, 19	25, 31, 49
14.30–15.00 **MALAYAN**	31, 49	19	31, 49	19	25, 31, 49	19, 25
02.00–02.15 **MANDARIN**	13, 16, 19	16, 19, 25	13, 16, 19	16, 19, 25	13, 16, 19	16, 19, 25
10.00–10.15	31, 49	25, 31, 49	31, 49	25, 31, 49	25, 31, 49	25, 31, 49
12.00–13.00	31, 49	25, 31, 49, 326	31, 49	25, 31, 49, 326	25, 31, 49	25, 31, 49, 326
13.30–14.00	31, 49	25, 31, 49, 326	31, 49	25, 31, 49, 326	25, 31, 49	25, 31, 49, 326
15.00–15.30	31, 49	25, 31, 41, 49, 326, 447	31, 49	25, 31, 41, 49, 326, 447	25, 31, 49,	25, 31, 41, 49, 326, 447
22.00–22.30	13, 16, 19	25, 31, 49, 326, 447	13, 16, 19	35, 31, 49, 326, 447	13, 16, 19	25, 31, 49, 326, 447
00.00–00.30 **RUSSIAN**	13, 16, 19	25, 31, 49	13, 16, 19	25, 31, 49	13, 16, 19	25, 31, 49
03.15–03.45	16, 19, 25	16, 19, 25	13. 16, 19	16, 19, 25	13, 16 19	16, 19, 25
09.00–09.30	31, 49	19, 25, 31, 49	31, 49	19, 25, 31, 49	25, 31, 49	19, 25, 31, 49
14.15–14.45	31, 49	25, 31, 49	31, 49	25, 31, 49	25 31, 49	25, 31, 49
11.00–11.30 **SWATOW**	31, 49	25, 31, 49, 326	31, 49	25, 31, 49, 326	25, 31, 49	25, 31, 49, 326
13.45–14.15 **THAI**	31, 49	19, 49	31, 49	19, 49	25, 31, 49	19, 25, 31
12.30–13.00 **VIETNAMESE**	31, 49	19, 49	31, 49	19, 49	25, 31, 49	19, 25, 31

Russian, Mandarin & Cantonese Programs are repeated 00.30–07.15 GMT on 16, 19, 25 Meters.
Chinese & English Programs are repeated 16.00–22.00 GMT on 326 Meters.

TO INDIA & PAKISTAN

GMT	November thru February		March-April Sept.-Oct.		May thru August	
	USA	Relay Stations	USA	Relay Stations	USA	Relay Stations
	(Meter Bands)		(Meter Bands)		(Meter Bands)	
15.30–16.00 **ENGLISH**	13, 16, 19	13, 16, 19, 25	13, 16, 19	13, 16, 19, 25	16, 19	13, 16, 19, 25
13.00–13.30 **HINDI**	13, 16, 19	13, 16, 19	13, 16, 19	13, 16, 19	16, 19	13, 16, 19
12.30–13.00 **URDU**	13, 16, 19	13, 16, 19	13, 16, 19	13, 16, 19	16, 19	13, 16, 19

TO LATIN AMERICA

GMT	November thru February		March-April Sept.-Oct.		May thru August	
	USA East Coast	USA West Coast	USA East Coast	USA West Coast	USA East Coast	USA West Coast
23.00–23.15 **PORTUGUESE**	19, 25, 31	—	19, 25, 31	—	16, 19, 25	—
00.30–01.00	25, 31, 49	—	19, 25, 31	—	19, 25, 31	—
00.00–02.00 **SPANISH**	19, 25, 31, 49	19, 25, 31	19, 25, 31, 49	19, 25, 31	16, 19, 25, 31, 49	16, 19, 25

ARMED FORCES RADIO SERVICE

continued from page 87.

EUROPEAN SERVICE

	kc/s	m	kW		kc/s	m	kW
WRCA	9550	31.41	50	WBOS	15210	19.72	50
WGEO	9670	31.02	25	WRUL	15230	19.70	80
WRUL	11790	25.45	80	WGEO	17760	16.89	25
WRCA	11890	25.23	50	WRCA	21730	13.81	50

Daily Programmes: 18.00–22.45 on 9670, 11790, 15230 *News from Home:* 18.30, 22.30. – The other programs mostly consist of music and variety. – *Program Preview:* 18.01.

PACIFIC SERVICE

Leading Personality: Colonel W. M. Wright Jr., AGC. Officer in Charge.

STATIONS:		kc/s	m	kW	Beam Area
KWID-1	01.00–08.45	9570	31.35	100	Alaska-Aleutians
KWID-2	01.00–08.45	11860	25.30	50	Alaska-Aleutians
KRCA-1	01.00–06.00	9600	31.25	50	Caribbean
KCBR-2	01.15–04.30	17770	16.88	50	East Asia
KCBR-2	05.00–06.00	9700	30.93	50	East Asia
KCBR-2	06.30–14.30	9700	30.93	50	East Asia
KCBR-3	01.15–04.30	15315	19.60	50	East Asia
KCBR-3	05.00–06.00	11810	25.40	50	East Asia

KCBR-3 06.30–14.15 6040 49.67 50 East Asia
KGEI-1 06.00–14.15 9670 31.02 50 Guam/Mid Pacific
KGEI-2 04.00–05.30 9670 31.02 50 Central Pacific
KGEI-2 06.00–08.45 11730 25.58 100 E. Indies/Philip.
News: hourly from 01.00–14.00.
Conference Period: Daily – 01.30 GMT and 06.15 GMT contains important information on upcoming show and schedule changes.
Sshedule Reading: There will be a schedule reading of the AFRS Shortwave Master Schedule, twice each month – on the 1st and 15th at 18.00, on all transmitters. This reading brings you the latest changes in current programs on AFRS, N.Y.
Announcement: "This is the Armed Forces Radio Service, The Voice of Information and Education."
Verification by QSL-card. Return postage not required.

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RADIO FREE ASIA

see Philippines.

UNITED NATIONS RADIO

Address: Radio Division, United Nations, New York, U.S.A. *Cable:* Omnipress New York.
Leading Personalities: Director of United Nations Radio Division Mr. Peter Aylen. Deputy Director Mr. Carlos Garcia-Palacios. Chief of Production Mr. W. Gibson Parker. Chief of Special Projects Mr. Norman Corwin. Chief of Central Radio Services Mr. Hugh Williams. Regional Chiefs Mr. Gerald Kean, Mr. Mike Peng, Mr. Eugenio Soler-Alonso, Mr. G. L. Obhrai, Mr. Paul Bouchon, Mr. George Khouri, Mr. H. van Stuwe. Chief Radio News Editor Mr. César Ortiz-Tinoco. Technical Service Mr. A. E. Barrett. Television Mr. Emery Kelen.

SCHEDULE OF SHORT-WAVE BROADCASTS
European Programme (Mon.-Sat.):
11720 kc/s 17.00–17.25 *Russian* Program
European and Middle Eastern Program (Mon.-Sat.):
On WBOS 15210 kc/s, WRCA 11775 kc/s.

18.00 English News	19.15 Dutch News
18.10 French News	19.25 Serbo-Croat News
18.15 RDF Dispatch	19.30 Serbo-Croat Disp.
18.20 Egyptian Delegation	19.40 Danish News
18.30 Arabic Corresp.	19.45 Danish Dispatch
18.35 Arabic News	19.50 English News
19.00 BBC Dispatch	19.55 Corresp. Dispatch

Latin American Programme (Mon.-Sat.):
On WGEO 15330 *kc/s (to* 23.45*), WGEO* 9530 *kc/s (to* 24.00*), WABC* 11830 *kc/s (to* 24.00*), WABC* 9650 *kc/s (*00.15–00.30*), WRUL* 15285 *kc/s (*23.45–24.00*), WRCA* 15210 *kc/s (*00.15–00.30*).* WABC 9650, 11790 kc/s.

23.00–23.46 Spanish	23.51–24.00 Spanish
23.46–23.51 French	00.15–00.30 Portuguese

On WLWO 11710 *kc/s, WLWO* 9700 *kc/s (*02.00–03.00*)* in *Spanish.*
European and Middle Eastern Programme (Tues.-Sun.):
On WLWO 6040 *kc/s, WLWO* 9520 *kc/s, Tanger* 4-9700 *kc/s and Tangier* 9-7200 *kc/s.*

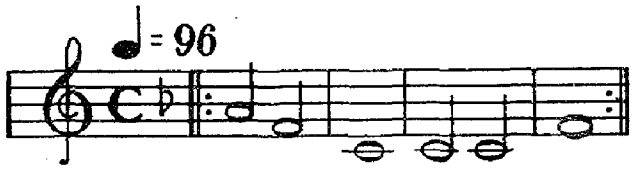
04.15 Persian News	05.10 Amharic News
04.30 Arabic Disp. (Cyprus)	05.20 Hebrew News
04.40 Arabic Disp. (Syria)	05.25 Hebrew Dispatch
04.45 Pushtu News	05.30 Turkish News
04.55 Duri News	05.40 Arabic News (Cypr.)
05.00 Arabic News (Egypt.)	05.45 Greek News
05.05 Arabic Dispatch	05.52 Corresp. Dispatch

Transpacific Programme (Tues.-Sun.):
On KRCA 6185 *kc/s,* 9515 *kc/s,* 11755 *kc/s, Honolulu II* 9650 *kc/s, Manila I* 17780 *kc/s, Manila II* 15250 *kc/s and Manila III* 11890 *kc/s.*

07.15 English News	07.45 Indonesian News
07.15 French Pr. (Sun only)	07.50 Thai News
07.30 English summary	08.00 Chinese Program
07.35 Tagalog News	08.30 English News

Korean Programme (Tues.-Sun.):
On KGEI 6075 *kc/s, KRCA* 6060 *kc/s,* 9515 *kc/s,* 6185 *kc/s, KCBR* 9600 *kc/s, Honolulu I* 6160 *kc/s, Honolulu II* 9650 *kc/s, Manila I* 11890 *kc/s, Manila II* 15245 *kc/s, Manila III* 6125 *kc/s.*
10.15–10.30 Korean News
South East Asia Programme (Tues.-Sun.):
On GRZ 21640 *kc/s and GSV* 17810 *kc/s.*
09.30 Hindi News; 09.37 English News (forIndia); 09.45 Urdu News.
Broadcast of Meetings to Europe (with narration in English and French):
WRCA 15285 *kc/s:* 16.45–17.45.
Special Radio Services (Mon.-Sat.): Addressed Program Transmission Service to Norway, France and South Africa.

Announcement: "This is the United Nations calling the peoples of the World". This introductory phrase is used in all the official UN programs in all of the languages concerned.
Interval Signal:



Message to Listeners: The Radio Division is anxious to establish contact with as many listeners as possible and will gladly acknowledge all communications. All correspondents will receive a United Nations Radio verification card, new correspondents being sent a copy of the Charter, Basic Facts about the United Nations, and booklets about all the Specialized Agencies. – Correspondence, requests for copies of the schedule of U.N. broadcasts which can be heard in the United States, should be addressed to: *United Nations, N.Y., U.S.A.* or to the Director of the nearest UN Information Centre. These centres are located in Buenos Aires, Cairo, Copenhagen, Geneva, London, Mexico City, Moscow, New Delhi, Paris, Prague, Rio de Janeiro, Sydney, Teheran and Washington.

BROADCAST FROM UN. INFORMATION CENTRE IN GENEVA see Switzerland.

CENTRAL AMERICA

COSTA RICA

Language: Spanish. All stations **commercial** exc. TIFC.
Hours of transmissions: 12.00–04.00.
Stations: Medium and Short Waves:

	kc/s	m	kW	
TIGPH	5875	51.06	1	Alma Tica, Apt. 800, S. José
TIGPH	605	537	0.2	
TIQ	5990	50.08	1	Radio Casino, Limon
TIQ	555	537	0.2	
TIRH	6150	48.78	0.25	Radio El Mundo, S. José
TIRH	970	309	0.5	
TILS	6165	48.66	2	Para Ti, Aptd. 3, S. José
TILS	880	341	5	
TIGPH4	6180	48.54	3	Nueva Alma Tica, S. José
TIPGH2	800	375	3	
TILP	815	368	5	
TIDCR	9615	31.20	3	Diario de Costa Rica, La Voz de la Victor, Aptdo 3611, S. José. *Verification* by letter.
TIFC	9645	31.10	1	Faro del Caribe, Aptd. 1307, José. *English* 04.00–05.00. **Verification** by QSL-card.
TIFC	995	301	1	
TINRH	9692	30.95	3	La Voz de Costa Rica, S. José.
TINRH	710	422	0.75	
TIOCHO	9714	30.88	1	La Voz del Hogar, S. Joseé.
TIOCHO	1100	272	1	
TIHH	11972	25.06	3	R. Popular, Aptd. 2208, S. José. *Verification* by QSL-card

CUBA

All stations commercial exc. COX4, COX7. Language: Spanish.

s.w./m.w.	*kc/s*	*m*	*kW*	
COX7	4290	69.63	5	**Ministerio de Educacion,** Avenida de Columbia, Habana.
CMZ	1560	192	5	
COCO	6010	49.92	5	**Cia. Radiodifusora COCO y CMCK,** S. A., Manrique 166, Habana. 13.00–06.30.
CMCK	980	306	5	
COCD	6130	48.94	1	**La Voz del Aire,** S. A., Hotel Palace, 25 y G, Vedado, Habana. 15.00–04.00. *Verification* by QSL-card.
CMCD	140	405	10	
COCW	6322	47.46	1	**Cadena Roja,** O. 157 e/23 y Humbold, Vedado, Habana. 13.00–04.00.
CMW	550	545	2.5	
COCY	6450	46.51	1	**Radio Habana Cuba,** (Cadena Azul), P. de Marti 53, Habana. 12.00–06.00.
CMCY	590	508	25	
COJK	8663	34.63	1	**Voz del Camagüyana,** Independencia 308, Camagüey. 13.00–03.00.
CMJC	1270	236	1	
COCQ	8825	33.92	5	**Circuito CMQ,** S. A., Radiocentro, M. 312, Vedado, Habana. 11.00–05.30. *Verification* by QSL-card.
CMQ	630	477	25	
COKG	8955	33.50	1.2	**Cadena Oriental de Radio,** E. Palma 658, Stgo. de Cuba. 11.00–05.30.
CMCI	1260	238	5	
COBZ	9030	33.22	1	**Radio Salas-** S. Rafael 108, Habana. 13.00–05.00.
CWBZ	830	361	5	
COBQ	9235	32.49	1	**Radio Onda Musical Cubana,** Juan Bruno Zayas 403, Altos, Habana. 13.00–05.00.
CMCQ	1420	211	0.25	
COCX	9273	32.33	1	**Talleres Tipográficos Nacionales,** Habana. 12.30–05.30.
COBC	9362	32.05	1	**Radio Progreso,** S. A., San José 104, Habana. 13.00–05.00. *Verification* by letter.
CMBC	690	434	50	
COCH	9437	31.80	5	**Radio Internacional,** S. A., P. de Marti 107, Habana. *Verification* by QSL-card.
COCO	9535	31.46	5	as 6010 kc/s.
CMCK	990	306	5	
COBQ	9540	31.45	1	as 9235 kc/s.
CMCQ	1420	211	0.25	
COX4	9640	31.12	5	as 4290 kc/s.
CMZ	1560	192	5	
COCQ	9670	31.02	5	as 8825 kc/s.
CMQ	630	477	25	
CQCQ	9740	30.80	5	as 8825 kc/s.
CMQ	630	477	25	
COBL	9833	30.51	1	**Radio Cadena Suaritos,** S. A., 23 no. 1113, Vedado, Habana. 14.00–05.00. *Verification* by letter.
CMBL	860	348	15	
COCX	11650	25.75	1	as 9273 kc/s.
COCY	11740	25.55	1	as 6450 kc/s.
CMCY	590	508	25	
COBH	11800	25.42	1	**Radio Cadena Habana,** S. A., Edificio O. Aliados, San José y Belascoain, Habana. 13.00–05.00.
CMCH	1790	379	10	
COBZ	17820	16.82	1	as 9030 kc/s.
CWBZ	830	361	5	
COBC	17850	16.81	1	as 9362 kc/s.
CMBC	690	434	50	
COCY	21620	13.87	1	as 6450 kc/s.
CMCY	590	508	25	
COCW	21740	13.80	1	as 6322 kc/s.
CMW	550	545	5	

Television: see *Television Stations of the world.*

CURAÇAO

Number of Listeners: 15.000. – **Languages:** Onteh, English, Papiamento.

Address: Curacaosche Radio Vereiniging (CUROM), P.O. Box 31, Willemstad, Curacao, Neth-Antilles. *Cable:* "Curaver".

Leading Personalities: President Mr. F. Visser, Director Mr. W. P. G. Stokla.

HOME SERVICE: PJC2 – Juliana Zender
722 kc/s 415,5 m 3 kW – 5017 kc/s 59.80 m inactive.
Dutch: 15.30–17.30, 22.00–02.30. – *News:* 17.00, 23.15. *News in Papiamento:* 23.30. *Commercial Programmes:* W. 16.00–16.30, 00.00–01.00.
English: Thurs. 01.00–01.30.

Announce,ent: "Juliana Zender Curacao".
Verification by QSL-card. Return postage required.

CENTRAL- AND SOUTH AMERICA

HABANA
ST. CLARA
MEXICO CITY
SANTIAGO
PORT-AU-PR.
CIUDAD TRUJILLO
MARACAIBO
VALENCIA
QUEZALTENANGO
GUATEMALA CITY
SAN SALVADOR
COLON
CARACAS
PORT OF SPAIN
SAN JOSE
BOLIVAR
MEDELLIN
PANAMA CITY
CALI
BOGOTA
RIOBAMBA
GEORGESTOWN
PARAMARIBO
SÃO LUIZ
PARNAIBA
QUITO
SAN CHRISTOBAL
GUAYAQUIL
BELEM
FORTALEZA
MANAUS
TERESINA
TRUJILO
RECIFE
SALVADOR
LIMA
CUIABA
CALLAO
GOIAS
HUANCAYO
ST. CRUZ
LA PAZ
TACNA
ORURO
SUCRE
RIO DE JANEIRO
ANTOFAGOSTA
ASUNCION
SÃO PAULO
TUCUMAN
CORDOBA
ENCARNACION
MENDOZA
ROSARIO
VALPARAISO
SANTIAGO
MONTEVIDEO
BUENOS AIRES
BAHIA
BLANCA
N

Uruguay: „Espana regional." – a popular program for the aim of strengthening the bonds between the Spanish speaking world.

Ecuador: The wellknown broadcasting station HCJB, Quito Ecuador. Photo shows the buildings, antennas and the suburb.

map South America Uruguay Ecuador HCJB Quito

DOMINICAN Rep.

Language: Spanish. **All stations commercial. Hours of transmission:** 12.00–05.00.

	kc/s	m	kW	
HI3T	1040	288.5	10	La Voz Dominicana.
HI3C	4890	61.35	0.03	La Voz del Papagayo.
HI1A	4980	60.24	0.075	Radio Caribe.
HI8Z	5030	59.67	0.2	Cadena Nacional de Radio.
HI4T	5970	50.25	7.5	La Voz Dominicana.
HI9B	6000	50.00	0.2	Broadcasting Hotel Mercedes.
HI1J	6025	49.79	0.25	Ondas Nacionales.
HI1N	6050	49.59	0.7	Emisoras Unidas.
HI1Z	6112	49.06	1	La Voz de los Muchachos.
HI1G	6130	48.94	0.25	Emisoras HIG.
HI1R	6160	48.70	0.2	La Voz de Fundacion.
HI9T	6190	48.47	0.1	Broadcasting Tropical.
HI2L	9525	31.50	0.5	La Voz del Tropico.
HI2G	9590	31.28	0.25	Emisoras HIG.
HI2A	9680	30.99	1	La Voz de la Reeleccion.
HI2T	9727	30.84	7.5	La Voz Dominicana.

HI2T, HI4T/HI3T – *Address:* "La Voz Dominicana", Calle Quinta No. 8, Ciudad Trujillo. *Cable:* "Dominicana". Mo. close down at 03.30.
Leading Personality: Director General Abraham E. Santa Maria Demorizi.
HI2T: English (W) 02.00–02.10 irregularly.
Announcement: "Al servicio de la Cultura y el Progreso en general, transmite LA VOZ DOMINICANA, desde Ciudad Trujillo, Distrito de Santo Domingo, Copital de la Republica Dominicana."
Verification by QSL-card.
HI3C – *Address:* Bella Vista 49, La Romana.
HI1A – *Address:* Radio Caribe, Apartado 423, Santiago.
HI8Z – *Address:* Mr. Luis F. der Moscoso C, Santiago.
HI9B – *Address:* Mr. Jacinto L. Sánchez, Santiago.
HI1J – *Address:* "Ondas Nacionales", San Pedro de Macoris. – *Verification* by QSL-card.
HI1N – *Address:* La Voz del Partido Domicana, Ciudad, Trujillo.
HI1Z – *Address:* Broadcasting Nacional, Apartado 1092, Ciudad Trujillo. *Verification* by QSL-letter.
HI1G/HI2G - *Address:* "Emisoras Hig", Cindad Trujillo.
Announcement: "Radiodifusora Nacional, Emisoras HIG, Republica Dominicana". – *Interval-Signal*: Chimes. –
HI1R – *Address* Calle Constitution, San Christobal.
Verification by QSL-card.
HI9T – *Address:* "Broadcasting Tropical", Puerto Plata. *Verification* by QSL-card.
HI2L – *Address:* Apartado 335, Ciudad Trujillo. *Verification* by letter.
HI2A – *Address:* "La Voz de la Reeleccion", Santiago.
Verification by QSL-card.

GUADELOUPE (French West Indien)

Address: Radio Diffusion Française Préfecture, Basse-Terre, Guadeloupe.
Leading Personality: Director Mr. Zanantoni.
Stations: 650 kc/s 461.5 m 1 kW.
FG8HA 7447 kc/s 40.29 m 0.05 kW
Daily Programs in *French* from 16.00–17.30 and 22.45–01.00. News at 16.30 and 23.25. – *Relays from Paris:* 00.00–00.30.
Announcement: "Ici Radio Guadeloupe, Poste Nationale Français".

GUATEMALA

Language for all Stations: Spanish.
All stations commercial exc. R. Nacional, Radio Morse, La Voz de Quezaltenango, La Voz de la Guardia Civil, Radio Cultura.
Stations:

TGAR	2200	136	0.2	R. Quetzal, Guatemala
TGAQ	1270	236	0.4	City.
TGNA	5952.5	50.45	5	R. Cultura W. 12.30–14.00,
TGN	580	517	5	D. 21.30–03.00.
TGTN	5970	50.25	0.25	La Voz de la Telefunken,
TGTL	1340	224	0.25	Guatemala City 12.30–05.00.
TGJA	5990	50.08	0.5	R. Nuevo Mundo, Guate-
TGJ	880	341	5	mala City 13.00–05.00.
TGOA	6100	49.18	0.5	La Voz de las Americas,
TGO	1140	262	0.5	Guatemala City 12.30–05.00.
TGAZ	6150	48.78	0.5	R. Continental, Guatemala
	950	315	0.5	City, 12.00–05.00.
TGWB	6180	48.54	1	La Voz de Guatemala 12.25
TGWC	1520	197	1	–05.00.
TGRA	6255	47.96	0.15	La Voz de la Guardia Civil,
TGR	1360	220	0.15	Guatemala City 22.00–03.00.
TGTQ	6285	47.73	1.0	Radio Internacional 18.00–
TGTQ	1570	191	0.5	20.00, 04.00–08.00.
TGLA	6295	47.66	1	La Voz de Centro America
TGL	1240	242	1	00.30–04.00.
TGTA	6335	47.35	0.25	Radio Bolivar,Guatemala
TGT	1390	215	0.25	City 00.00–04.00.
TGBC	6570	45.66	0.2	Radio Colonial, Antigua 12.00–05.00.
TGQA	6590	45.42	0.4	La Voz de Mazatenango,
TGQ	1450	207	0.4	Mazatenango 01.00–04.30.
TG2	6620	45.32	1	Radio Morse, Quezatenan-
TG1	1310	229	1	go 12.30–14.00, 18.00–03.00.
TGZA	6655	45.08	0.25	Radio Oriental, Zacapa 12.00–05.00.
TGDA	7470	40.16	0.25	La Voz de Occidente, Que-
TGD	1070	280	0.5	zatenango 13.00–14.00, 18.00–19.00, 00.00–03.00.
TGNA	9668	31.03	5	R. Cultura 03.00–03.30, exc. Wed.; English.
TGCQ	9700	30.93	1	Station TGCQ, Guatem. C.
TGCQ	990	302	1	12.00–15.00, 17.00–20.00, 00.00–05.00.
TGWA	9760	30.74	10	La Voz de Guatemala
TGW	640	476	10	23.00–05.00.
TGNA	11850	25.32	5	R.Cultura 03.00–04.00 WW.
TGNA	15100	19.87	5	R. Cultura inactive.
TGWA	15170	19.78	10	La Voz de Guatemala
TGW	640	476	10	12.25–23.00.

TGNA/TGN – International Missionary Radio Stations owned and operated by the Central American Benevolent Association and serving as the radio voice of the Central American Mission. – *Address:* Apartado 601, Guatemala

City. *Leading Personalities:* Director Rev. H. van Broekhoven. Chief-Engineer Rev. H. Leslie Garrison.
580 kc/s: 12.30–14.00, 22.30–03.00.
9668 – English 03.00–03.40, D. exc. Wed.
11850 – 03.00–04.00 on Wedn.
The frequencies 15100 and 17870 are assigned to TGNA but are not yet in use.
Programmes on s.w. are beamed to N. America.
Progr. consist of: Organ melodies, Gospel Singer and all religious progr. with exc. of **mailbag** progr. on Wed. 03.30–04.00 called "Script by you". The favourite programmes on our English releases may be listed as follows: "Sing spiration" 03.00–03.15; "Miracles" every Sat. 03.00. "Organ Melodies": 03.15–03.30.
Announcement: "These are your International missionary stations coming to you from beautiful Guatemala "Land of Eternal Spring". TGNA operates nightly from 03.00 to 03.30 in the 31 and 25 meter bands on a frequency of 9668 and 11850 kc/s respectively." – *Verification* by letter and/or QSL-card. – Return postage required for all desiring answer via air mail.

Message to Listeners: "TGNA, the radio voice of the Central American Mission, greets short wave listeners everywhere. Our primary purpose is expressed in our call letters – "Telling the Good News Abroad". The staff cordially invites you to tune to any of our frequencies for music and programs that are different and helpful. Your correspondence, queries & comments of all kinds gratefully received and personally answered by letter and/or QSL-card."

Radio Internacional: *Address:* 5a Avenida Sur No. 9, Apartado Postal 127, Guatemala. – *Leading Personalities:* Director General, Mr. J. M. Lehnhoff. – *News* (W): 18.15–18.45, 01.15–01.45. – *Relay BBC:* 24.00, 03.15. – *Announcement:* "La Voz de la Capital des de Guatemala" in Spanish, English and French. – *Interval-Signal:* Electrical Xylophone. – *Verification* by QSL-card.
La Voz de Centro America: *Address:* 10 Street West No. 22, Guatemala City. – **Verification** by letter.
Radio Bolivar: *Address:* Avenida Bolivar 13–201, Guatemala City. – *Verification* by QSL-card.
La Voz de Guatemala: *Address:* Radio Nacional, "La Voz de Guatemala", Guatemala City. – *Leading Personalities:* Director Mr. C. A. Jerez. Director of Programmes Mr. J. Flamenco y Cotero. – *News:* **In English:** For British Honduras: – *Announcement:* "La Voz de Guatemala". – *Verification* by QSL-card.
Radio Oriental: *Announcement:* "Radio Oriental de Zacapa, Guatemala, America Central." – *Interval-Signal:* Vibraphone.
TGWB 6180 48.54 1 La Voz de Guatemala 12.30–05.00.

HAITI

Number of Listeners: Approx. 18.000. **Language: French. All stations commercial.**
Stations:

4V2S	5945	50.5	0.4	R. Port au Prince 4V2S, Rue Pavée Port-au-Prince. 12.00–13.30, 17.00–19.30, 23.00–02.00. **Verification** by letter.
4VM	6010	49.8	1.2	Radiodiffusion 4VM, Ruelle
4VYM	1250	240	1.2	Jeanty, Port-au-Prince. W. 17.00–20.00, 23.00–02.30 Sun. 16.00–20.00. **Ver.** b. let.
4VCM	6165	48.70	0.4	La MBC, 36 rue Americaine,
4VGM	1470	204	0.4	Port-au-Prince. 16.30–19.30, 23.00–02.00. **Verification** by letter.
4VHW	6175	48.60	0.5	Radio Haiti, Etage Crystal
4VRW	9840	30.50	0.5	Market, Rue Bonne foi Port-
4VW	1300	230	0.5	au-Prince. 12.00–03.00. – **Verification** by letter.
4V2H	6205	48.75	0.7	Station 4V2H, Rue Pavée, Port-au-Prince. 17.00–19.30, 23.00–02.00. **Verification** by letter.
4VSW	10016	29.95	0.1	Radio Haitie. Port au
VVW	6180	48.54	0.1	Prince 11.30–13.30, 17.00–19.30, 23.00–02.00.
4VPL	8984	33.40	0.1	La P. B. S. Petionville 20.00–03.00.
4VCN	6406	46.83	0.1	Radio Fides, Port au Prince 11.30–13.30, 23.00–02.00.
4VEH	9633	31.14	0.7	Radio Station 4VEH, Box 1,
4VEH	9667	31.40	0.7	Cap. Haitien 11.00–01.30.

Radio Port-au-Prince: Directors Mr. R. Riguaud, Mr. W. Appolon. *News:* 12.30, 17.00, 23.30. *Programmes in Patois:* 12.00–12.30, 17.00–17.30. *Announcement: In French and English:* "Ici Radio Port au Prince, poste 4V2S operant sur la frequence de 5945 kc/s à Port au Prince Haiti, Grandes Antilles. *Interval Signal:* Gong.
Radiodiffusion 4VM: Director Mr. Y. M. R. Jeanty. *News:* 17.00, 23.30. *Announcement. In French, English, Spanish:* "Vous ecoutez le poste de Radiodiffusion 4VM travaillant simultanement dans le bandes de 49 et 240 Metres a Port au Prince, capitale de la Rep. d Haiti."
Magloire Broadcasting Circuit: Director Mr. Franck C. Magloire, Journal "Le Matin". *News:* 18.05, 23.30 (local). *Progr. in Patois:* 00.15. *Announcement:* "Ici la MBC a Port-au-Prince, capitale de la Rep. d'Haiti, travaillant simultanement dans les bandes de 204 métres et 49 métres et affiliée a la National Broadcasting Comp. *Interval-Signal:* Gong. M.B.C.
Radio-Haiti: Directors Mr. R. Wiedmaier, Mr. H. Wiedmaier. *News:* 12.00, 17.30, 23.30. *Announcement* in French, English, Spanish: "Vous ecoutez R. Haiti, postes 4VW, 4VRW et 4VHW, travaillant simultanément dans les bandes des 31, 49, 230 Métres; a Port au Prince capitale de la Republique d'Haiti, affiliée a la Columbia Broadcasting system et a la chaine de la Paix de Nations Unies". *Interval-Signal:* Gong 4 notes. *Spanish* on Sun. 21.40–21.55
Station 4V2H: Directors Mr. E. Hakime, Mr. E Laforest. *News:* 17,00, 23.30. *Announcement* in French, English: "Vous ecoutez, chers auditeurs, la Station de Radiodiffusion 4V2H operant etc." – *Interval-Signal:* Gong.
Station 4VEH: Director and President of the East and West Indies Bible Mission: Mr. G. T. Bustin. Technical Director Mr. M. E. Picazo. English Program: Director Mrs. M. E. Picazo. *English Programmes:* W. 13.00–13.30, Sun. 12.30–13.30 on 9633, 9667 kc/s 00.00–00.15, 01.30–02.00 on 9667 kc/s. *French, Creole* D. 11.30–12.00 22.30–23.00, 23.30–01.15. on 9633, 9667 kc/s. *Spanish:*

W. 12.00–13.00, Sun 12.00–13.30 on 9633, 9667 kc/s. D. 23.00–23.30, 01.15–02.00. *Announcement.* English: »You are listening to radio Station 4VEH located at Cape Haitian, Haiti«. Spanish: »Eschucha. Ud. La radiodifusora 4VEH situada en Cabo Haitiano Republica de Haiti«. French: C'est la Voix Evangeligue D'Haiti, Station Radio Diffusion 4VEH, Cap Haitien, Haiti«.

HONDURAS (Rep.)

Language for all Stations: Spanish. – All stations commercial exc. HROW.
Stations:

	kc/s	m	kW	
HROW	850	353	0.3	R. Monserrat 12.50–04.00.
HRN	5875	51.06	1	La Voz de Honduras 12.30–20.00, 23.00–04.00 Tegucigalpa.
HRA	5920	50.66	1	La Voz de Lempira 13.00–15.00, 19.30–04.00 Tegucigalpa
HROW	6020	49.83	1	Radio Monserrat 12.50–04.00.
HRQ5	6070	49.42	0.25	La Voz de Suyapa Tegucigalpa 12.00–05.00.
HRQ	6125	48.98	1	La Voz de Suyapa S. Pedro Sula 12.00–05.00.
HRQ	6177	48.56	1	Radio Tela 12.00–05.00.
HRQ	6187	48.49	1	R. Progresso 12.00–05.00.
HRD2	6235	48.12	0.3	La Voz de Atlantida Av 14 de Julio La Ceiba 16.30–19.30, 23.00–03.00.
HRP1	6351	47.24	0.6	El Eco de Honduras S. Pedro Sula 16.00–19.30, 23.00–04.00.
HRLP	6410	46.80	0.6	La Voz Popular Tegucigalpa 12.00–05.00 (Sun. 06.05).
HROW	6675	44.95	2	R. Monserrat 12.50–04.00.
HRXW	8990	33.37	0.25	R. Comayagüela, Comayagüela 17.30–04.00.

HROW – *Address:* Radio Monserrat, Cadena Radial Hondurena. Tegucigalpa. *Cable:* "Monserrat". *Leading Personality:* Director, Mr. A. León Gómez. *News:* 12.55, 19.30, 01.00.
Announcements: On 850 kc/s: "R. Monserrat HROW". On 6020 kc/s: "Radio Reloj Musical". On 6675 kc/s: "R. Monserrat HROW, la Emissora de los Hondurenos". *Verification* by letter. IRC required.

HONDURAS (British)

Address: Major D.N.A. Fairweather MBE., A.M.I.R.E., Director of Telecommunications, Paslow Building, Belize.
Station: R. Belize 4950 kc/s 60.60 m 0.2 kW.
Daily Programmes in *English* 18.15–19.00, 01.00–02.00.

JAMAICA (British West Indies)

Number of Listeners: 200.000. – **Language:** English.
Address: Jamaica Broadcasting Co. Ltd., 32, Lyndhurst Road, Cross Roads P. O. Jamaica, B.W.I. *Cable:* Broadco,
Leading Personalities: Managing Director W. A. Mac Lurg, Asst. to the Managing Director & Sales Manager A. L. Hendriks. Programme Director J. E. Phillips, Chief Engineer A. H. Dickinson.
HOME SERVICE: R. Jamaica, ZQI 5 kW, 11.00–04.00. 670 kc/s 447.7 m 4950 kc/s 60.60 m.
News: 12.30 (local), 16.00 (B.B.C.), 17.30 (local), 23.00 (B.B.C.), 23.10 (local), 02.00 (B.B.C.), 02.10 (local).
Announcement: "This is Radio Jamaica and the Rediffusion Network".
Verification by letter. Return postage required.

MARTINIQUE (French West Indies)

Address: Radiodiffusion Française, Pavillon du Tourisme Fort de France.
Stations: 1500 kc/s 200 m 1 kW.
FNRI 9700 kc/s 30.93 m 0.4 kW.
Daily Programmes: 10.30–11.30 (Sun. 11.30–13.00), 16.15–17.45 (Sat. Sun. 19.30), 22.30 (Sun. 22.00)–01.15 (Sat. 02.00).
News: 11.00, 17.00, 00.00 (Relays from Paris).
Announcement: "Ici Radio Martinique, Poste National Français".
Interval-Signal: The first six notes of "Sous les Ponts de Paris" played on Xylophone. – **Verification** by QSL-card.

MEXICO

Language for all stations: Spanish.
STATIONS: Short Waves.

XEJG	4820	62.24	0.2*	Gobierno del Estado de Jalisco, Guadalajara 13.00–05.00.
XEOI	6010	49.92	2.5	R. Mil, Fomento de Radio
XEOY	1000	300	10	S. A., Donato Guerra 26, Mexico City 13.00–06.00.
XEUW	6020	49.83	0.25	Eco de Sotavento, Independencia 230, Vera Cruz 12.00–06.00.
XEKW	6030	49.75	0.5	R. Morelia, Aldama 154, Morelia 12.00–17.00, 21.00 04.00.
XETW	6045	49.66	0.1	Voz de Tampico, Tampico
XEFW	810	370	50	10.30–06.00.
XEXG	6065	49.46	5	Radiodifusora Mexico, Cordoba 48, Mexico D. F. 12.00–06.00.
XEQH	6130	48.94	0.1	R. Central de Mexico,
XEQB	1110	270	20	Mexico D. F. 16.00–06.00.
XEXA	6175	48.58	0.1*	R. Gobernacion, Calle de
XEDP	1060	283	50	Bucareli, Mexico City 13.00–06.00.
XECC	6185	48.50	0.05	Impulsoras del Progreso, 2 Norte 803, Mexico DF, 12.00–05.00.
XEWW	9500	31.58	10	La Voz de la America La-
XEW	900	333	250	tina 12.55–06.15.
XEWA	540	556	100	
XEXF	9535	31.46	5	Radiodifusora Mexico 12.00–06.00.
XEFT	9545	31.43	0.25	Voz de Vera Cruz 15.00–05.25.
XETT	9555	31.40	0.5	La Hora Exacta, Dolores 17, 4 Mexico DF. 12.00–06.00.
XEYU	9600	31.25	0.25*	Universidad Nacional de
XEUN	860	347	5	Mexico, Mexico DF. 10.00 17.00.
XERQ	9610	31.22	5	Corpo Mexicana de Radio, Mexico DF. 13.00–06.00.
XEBT	9625	31.27	10	Las Emisoras de America,
XEB	1220	246	100	Mexico DF. 14.00–06.00.
XEQQ	9680	30.99	1	R. Panamericana Mexico
XEQ	940	319	100	DF. 12.55–06.00.
XENN	11780	25.47	0.50	Salvador del Condo, Mexico DF.

XEBR	11820	25.38	0.15	Radiodifusora de Sonora, Hermosillo 14.00–17.00, 23.00–04.00.
XEHH	11880	25.25	1	"A.R.S.E." S.A., Zempoala 77, Mexico. 13.55–06.00.
XEXE	11900	25.21	10	Radio de Mexico 12.00–06.00.
XEXE	15205	19.73	10	
XEX	700	411	250	

***) Cultural stations. Other stations commercial.**

FM-stations see: *FM-stations of the world.* **Television stations** see: *Television stations of the world.*

Other Medium Wave Stations:

	kc/s	m	kW	
XEX	730	410	250	La Voz de Mexico 12.55–06.00.
XELO	800	375	150	Cia Radiodifusoras de Piedras Negras.
XEG	1050	285	100	Voz de Norteamerica S.A. 12.00–06.00.
XECY	1000	300	10	Fomento de Radio, Mexico D.F.
XEHL	1010	297	10	Radiodifusora de Occidente Mexico D.F.
XERB	1090	275	50	Interamericana de Radio SA 12.00–06.00.
XENT	1140	263	50	Julio Santos Coy, Nuevo Laredo 12.00–06.00
XEXO	1550	193	50	Julio Santo Coy, Nuevo Laredo, Tamps.
XERF	1570	191	50	Cia Radiodifusora de Conhuila, Villa Acuna, Conh.
XEDM	1580	190	50	Cia Radio Pacifico Mexico D.F.

XEXE/XEX – *Address:* R. de Mexico, S.A., de C.V. Cordoba 48, Mexico D.F. – *News:* 13.45, 21.00, 23.53, 01.15, 03.00, 03.45, 04.15, 05.50.

XEOJ – *Address:* Fomento de Radio S.A., Donato Guerra No. 26, Mexico City. – *News* every full hour.

XETW/XEFW – *Address:* Madero 204, Tampico. – **English** 10.30–13.30, 00.31–06.00, Spanish 13.31–00.30.

XEQH, XERQ/XEQB – *Address:* Cadena Radio Continental Reforma 51 and Bolivar 27, Mexico D.F. – *Leading Personality:* Director General, Mr. F. A. Jiménez.

XEWA/XEW/XEWW – *Address:* Cadena Radiodifusora Mexicana S.A., Calle Ayuntamiento No. 54, Mexico DF. *Leading Personalities:* Director General Mr. Othon M. Velez. Chief-Engineer Mr. J. de la Herràn. *Announcement:* Call given every quarter of the hour "XEW y XEWW Ciudad de Mexico" preceeded by four descending chimes". *XEWA* situated in S. Louis Potosi; relay XEW. *Verification* by QSL-card.

XEFT – *Address:* Independencia No. 74, Vera Cruz. – *Verification* by QSL-card.

XERQ – *Address:* Articuls 123#90 $^2/_0$ Piso.

XEBT/XEB – *Address:* Estaciones Radiodifusoras Comerciales XEB and XEBT, Calle Buen Tono No. 6. Apartado Postal 7944, Mexico D.F. – *Leading Personality.* Managing Director, Mr. A. Duprat. – *Interval-Signal:* Melody: Liszt's "Liebestraum". Between each program cuckoo signals. – *Verification* by QSL-card.

XEQQ/XEQ – *Address:* Radio Panamericana XEQQ, José Maria Marroqui No. 11, Mexico D.F.

Mexican Music: Daily 16.00. – Verification by QSL-card.

XENN – *Address:* Calzada A Mexico // 44 Barrio de Axiotla. Mexico DF.

XEBR – *Address.* Serdan 144, Hermosillo. – *Verification* by QSL-card.

NICARAGUA

Language Spanish – all stations commercial except YNV.

Number of Listeners Approx. 400.000.

Jefatura de Radio G.N. y Nacional, Managua. Cable: Radnac:

Hours of transmission 12.00–04.00.

YNMW:	5040	59.52	0.2	R. Continental, Managua.
	1490	268	0.75	
YNWW:	5965	50.28	0.4	R. Sport, Granada.
YNDG:	5995	50.04	1	R. Colonial, Leon.
YNBH:	6015	49.88	0.4	R. Panamericana.
YNBH	1230	244	0.4	Managua. *Verification by* letter.
YNOW	6055	49.55	0.6	La Voz de la America
YNKW	1340	222	0.5	Central. Calle Noreste 607, Managua.
YNEQ	6065	49.46	0.2	La Voz de la Victoria Apar-
YNEQ:	1100	273	0.12	tado 338, Managua.
YNV:	6100	49.18	2	Radiodifusora Nacional, Managua.
YNWA:	6140	48.86	0.4	R. Mundial, Managua.
YNW:	930	322	0.4	
YNVP:	6760	44.38	0.5	La Voz de Nicaragua.
YNAM:	7400	40.54	0.5	Academia Militar.
YNV:	9715	30.88	2	Radiodifusora Nacional Managua.
YNV:	11815	25.39	2	Radiodifusion Nacional Managua.
YNV:	15215	19.17	2	Radiodifusora Nacional Managua.

PANAMA

Language: Spanish, English. All stations commercial.

Stations: Medium and Short Waves:

	kc/s	m	kW	
HO5O	5995	50.04	1	**R. Continental**, Av. José F de
HOAM	610	491	1	la Ossa 32, Panama 11.00–05.00.
HP5K	6005	49.96	1	**Cadena Panama de Radiodi-**
HOK	640	467	0.25	**fusion**, Calle 6 // 120, Colon.
HON	1500	200	0.25	11.00–04.00.
HP5B	6030	49.75	0.25	**R. Miramar**, via Espana Final
HP5C	730	410	0.25	Panama. 11.00–04.00.
HOU31	6045	49.63		**La Voz del Baru**, Edificio
HOU	1025	292		Carta Virja, David, Chiriqui. 11.00–04.00.
HORT	6060	49.50	0.5	**R. Balboa**, Ave Ecuador 6,
HORS	1410	212	0.5	Panama. 11.30–03.00.
HP5H	6122	49.00	0.5	**La Voz del Pueblo**, Calle 17
HOHA	900	333	0.5	Oeste 78 Panama. 12.00–03.30.
HOQQ	6140	48.86	0.25	**Emissora Nacional**, Ave Cen-
HOQ	1250	240	0.25	tral 98, Panama. 11.30–04.00.
HOB	6175	48.58	0.3	**R. Panamericana**, Calle H 47,
HP56	11780	25.47	0.8	Panama. 11.00–05.00.
HOA	1090	275	0.25	

HOLA	9505	31.56	0.25	**R. Atlantico**, Ave Balboa //
HOL	1390	216	0.25	9.069, Colon. 11.00–05.00.
HP5J	9607	31.23	0.5	**La Voz de Ancon y La Voz de**
HP6J	1358	230	0.5	**Panama**, Ave Central 169,
HPM21	1060	283	0.5	Panama. 12.00–03.30.
HOJA	9645	31.10	0.3	**R. Provincias**, Chitre. 11.00–
HOJ	1130	265	0.3	03.30.
HP5A	11700	25.64	0.5	**Cadena Panama** de Radiodif-
HOC	1440	208	0.5	fusion, Calle 10a No. 14, Panama. 11.00–03.00.
HOXB	11810	25.40	7.5	**Ondas Chiricanas**, Edificio
HOOC	1370	219	7,5	Halphen, David, Chiriqui. 11.00–03.30.

Medium Waves only:

	kc/s	m	
HOH2	560	536	**R. Programas Continental**, Colon 11.00–05.00.
HOH3	580	517	**R. Progreso**, Chitre, Herrera 11.00 03.30.
HOH4	660	455	**R. Continental**, David, Chiriqui 11.00–03.00.
HOLY	670	448	**Emisora Catolica**, Panama 16.00–04.00.
HOF32	680	441	**R. Centenario**, Puerto Armuelleo, Chiriqui, 13.00–03.00.
HOXO	760	395	**La Voz del Istmo**, Ave. Tivoli 46-A, Panama 21.00–03.00.
HOG	840	357	**Your Community Station**, Calle 447, Panama 11.00–05.00.
HOHO	870	344	**R. Pacifico**, Av. Central 46, Panama 11.00–04.00.
HOX	940	319	**R. Centroamericana**, Panama 11.00 –04.00.
HOF	980	306	**Onda Popular**, Panama 11.30–03.30.
HOMP	990	303	**R. Ellebrock**, Panonome, Coclé 11.30–03.30.
HOJ2	1040	288	**Ondas del Canajagua**, Las Tablas.
HONZ	1170	257	**Ondas Istmenas**, Panama 12.00–03.00.
HOB33	1190	252	**La Voz de Bugaba**, Concepcion 11.30–03.00.
HOE91	1210	248	**R. El Mundo**, Panama 11.00–03.00.
HOW	1230	243	**R. Panamericana**, Colon 11.00–05.00.
HOJU	1280	234	**La Voz del Vigia**, Aguadulce 11.30 –03.30.
HOK3	1310	228	**R. Ondas**, Colon 12.00–03.30.
HOM92	1330	225	**R. Elebrock** de Panama, Panama 11.00–03.00.
HOH5	1400	213	**Ondas Centrales**, Santiago 13.00–03.00.
HOOH	1470	205	**La Independiente**, Panama 11.00–01.30.
HOE35	1570	191	**La Voz del Tropico**, Colon 11.00–03.00.

R. Continental: R. Programas Continental S.A. President Mr. Fernando Eleta. Director of Programmes Mr. A. Arbesu. *Cable:* Erepece. **Verification** by QSL-card.

Cadena Panama de Radiodifusion: Union Radio S.A. President Mr. J. Jaén y Jaén. Director of Programme Mr. P. Morales. *Cable:* Cepeere.

R. Miramar: President Mr. E. de la Guardia Jr. Director of Programmes Mr. G. Sevillano. *Cable:* Radiomiramar. **Verification** by QSL-card.

La Voz de Baru: Samudio-Esquivel-Tribaldos. President Mr. G. Tribaldos.

R. Balboa: President Mr. C. A. Guillén.

La Voz del Pueblo: President Mr. M. L. Vega. Director of Programmes Mr. E. Roldan. *Cable:* Lombardovega.

Emisora Nacional: President Mr. A. de Mena. Director of Programmes Mr. E. Soto.

R. Panamericana: Red Panamericana. President Mr. G. Arias. Director of Programmes Mr. R. Levy. *Cable:* Panamericana.

R. Atlantico: President Mr. A Galirido. Director of Programmes Mr. A. Jaén. **Verification** by QSL-card.

La Voz de Ancon, La Voz de Panama: President Mr. M. Diaz Doce. Director of Programmes Mr. C. Dupré. **Verification** by QSL-card.

R. Provincias: Hennanos Reyes. President Mr. G. Reyes. Director of Programmes Mr. A. Vasquez.

Cadena Panama de Radiodifusion: As HP5K.

Ondas Chiricanas: President Mr. E. del C. Calvo. Director of Programmes Mr. C. Batista.

EL SALVADOR

STATIONS:

s.w./m.v.	kc/s	m	kW	
YSIA	3130	95.84	0.3	**Radio Intercontinental**, S. Sal-
YSI	1100	272	0.3	vador. 13.00–15.00, 18.00–21.00, 23.00–04.00.
YSDR	4800	62.50	1	**Radio Tropical**, Av. Indepencia,
YSDR	820	366	0.3	Santa Ana. 12.30–14.30, 18.00–22.00.
YSS	6010	49.92	2.0	**Radio Nacional YSS Alma Cus-**
YSS	650	461	0.8	**catleca**, Teatre Nacional, S. Salvador. 18.00–19.00, 00.00–04.00.
YSR	6050	49.59	1	**La Voz de El Salvador**, 41 a, Av.
YSR	990	303	5	Norte y Calle Arce, S. Salvador. 12.00–06.00.
YSC	6095	49.22	1	**Radio 1025 Ondas Populares y**
YSC	1025	293	1	**Deportivas**, 14. Av. Norte No. 29, S. Salvador. 11.00–06.00.
YSP	6150	48.78	0.35	**La Voz de Cuscatlan**, S. Salva-
YSP	780	386	0.25	dor. 12.30–05.00.
YSHQ	6170	48.62	0.35	**La Voz del Progreso**, S. Miguel.
YSHQ	950	316	0.35	16.00–20.00, 23.00–05.00.
YSMA	6180	48.54	0.25	**La Voz Suprema de Occidente**,
YSMM	1600	187	0.5	Santa Ana. 12.30–20.00, 23.00–04.00.
YSUA	6250	48.00	0.75	**Radio Mil Cincuenta**, S. Salva-
YSU	1050	285	1	dor. 12.00–05.00. *Verification* by letter.
YSO	7270	41.27	1.5	**La Voz de la Democracia**, S.
YSO	870		1.5	Salvador. 12.00–15.00, 17.00–21.00, 23.00–04.00. *Verification* by QSL-card.
YSF	9250	32.44	1	**Radio Vanguardia**, S. Salvador.
YSF	840	357	0.3	18.00–20.00, 00.00–04.00.
YSLL	9540	31.45	0.5	**San Salvador en el Aire**, S. Sal-
YSLL	1500	200	0.3	vador. 14.00–15.00, 17.00–

20.00, 23.00–05.00. *Verification* by QSL-card.

YSS 9555 5 see **R. Nacional.**

RADIO TROPICAL: Announcement: "YSDR Radio Tropical en Santa Ana, El Salvador, Centro America". *Interval-Signal:* Gong and Xylophone.

LA VOZ DE EL SALVADOR: Announcement: "Por la Paz y Solidaridad de El Salvador transmite YSR en la Capital de la Repùblica en Centro America".

RADIO 1025 ONDAS POPULARES Y DEPORTIVAS: Announcement: "Esta es YSC, Radio 1025, Ondas Populares y Deportivas, en San Salvador, Centro América. Laboramos por la Paz, la Cultura y el Deporte".

RADIO VANGUARDIA: Announcement: "YSF Radio Vanguardia emisora de la juventud desde San Salvador, Centro América". **Interval-Signal:** "La Leyenda de un Beso".

RADIO NACIONAL YSS ALMA CUSCATLAN: Interval-Signal: Gong and Xylophone. **Future-Plans:** A 10 kW transmitter operating on 655 kc/s and two 5 kW s. w. transmitters (on 6010 and 9555 kc/s).

TRINIDAD

Number of Listeners: 174.000. – **Language:** English. **Address:** Trinidad Broadcasting Company Limited, Broadcasting House, 11b Maraval Road, Port of Spain. *Cable:* "Broadcast", Trinidad.

Leading Personalities: Managing Director Mr. K. T. Murray, Chief Engineer Mr. R. Goodsman, Ass. Manager Mr. J. M. Laing, Progr. Director Mr. B. Fargus.

HOME SERVICE: VP4RD "R. Trinidad".

790 kc/s	379.7 m	5 kW	10.00–03.00
3275 –	91.60 –	0.5 –	20.00–03.00
9625 –	31.17 –	0.5 –	10.00–20.15

News: 10.45, 12.00, 16.30, 23.45.

Announcement: "This is Radio Trinidad".

Verification by QSL-card.

SOUTH AMERICA

ARGENTINA

All stations exc. SIRA and R. del Estado: Commercial.

Stations:

Medium Waves:	kc/s	m	kW		Hours of transmission
LV12	580	509	10	R. Independencia	10.00–02.00
LRA	670	448	20	R. del Estado Eva Peron	11.00–03.00
LRA	710	422	200	R. del Estado Emisora Oficial	11.00–03.00 Sun. 04.00
LR4	830	361	50	R. Splendid	10.30–04.00
LR3	950	316	90/135	R. Belgrano	09.45–04.30
LW2	970	309	5	R. Aconcagua	10.00–04.00
LS10	1030	508	15	R. Libertad	
LR1	1070	280	50	R. El Mundo	10.30–03.55
Short Waves:					
LRS1	5985	50.12	10	as LR4	as LR4
LRA1	6065	49.46	10	as LRA	–
LRY1	6090	49.26	50	R. Belgrano	32.00–04.00
LRX1	6120	49.02	10	as LR1	14.00–17.00 21.00–01.40
LRM	6125	48.98	10	Mendoza	as LRY
LRT	6145	48.82	10	Tucuman	–
LRS2	3920	32.19	10	as LR4	–
LRA	9455	31.75	50	SIRA	21.00–22.50 02.30–06.00
LRY	9640	31.12	50	R. Belgrano	13.00–04.00
LRX	9660	31.06	7.5	as LR1	as LR1
LRA1	9690	30.96	100	as LRA	11.00–22.00
LRA	9690	30.96	100	SIRA	22.00–05.00
LRT	11840	25.34	10	as LV12	as LV12
LRT	11880	25.25	50	Tucuman	as LRY
ZPA5	11950	24.85	5	Paraguay	–
LRA	15290	19.62	50	SIRA	17.15–20.45 02.00–06.00
LRA	15345	19.55	100	SIRA	12.00–19.00
LRA	17720	16.93	100	SIRA	15.00–21.30

LRS1, LRS2/LR4: *Address:* Uruguay 1237, Buenos Aires. *Leading Personalities:* Director Ing. A. C. Devoto. Director of Programmes Mr. Raul Q. Durand. *Announcement:* "LR4, Radio Splendid de Buenos Aires, con sus ondas cortas LRS y LRS1, y la Red Argentina de Emisoras Splendid". *Interval-Signal:* 4 note Signal on vibraphone.

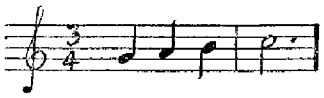
LRA1/LRA: *Address:* Radio del Estado, Buenos Aires. News: (W.) 13.30, 16.30, 23.30, 01.00. Symphony: Thurs. 00.30. Fri.: 00.30.

Announcement in Spanish: "LRA, Radio del Estado en Buenos Aires". FM-station see *FM stations of the world.*

LRX, LRX1/LR1: *Owner:* Editorial Haynes. *Address:* Maipu 555, Buenos Aires. *Leading Personalities:* President Mayor C. V. Aloe; Director of Programmes Mr. Pedro Ch. Moreno. *News:*: 10.30, 13.05, 15.00, 15.25, 16.00, 16.35, 18.00, 21.00, 22.00, 23.30, 24.00, 02.00, 03.00. *Announcement* in Spanish: "LR1, LRX, LRX1, Radio El Mundo de Buenos Aires con su red azul y blanca de emisoras argentinas". – *Interval-Signal:* 4-note signal on vibraphone. – *Verification* by QSL-card. IRC required. – *LS10 R. Libertad* Buenos Aires.

LRM/LW2: *Address:* Avenida Civit 460, Mendoza.

LRY, LRY1/LR3: *Address:* Posadas y Ayacucho, Buenos Aires. *Leading Personalities:* Director Mr. A. Galliarde. Director of Programmes Mr J. Mas. *Announcement:* "LR3 y LRY, Radio Belgrano de Buenos Aires y la Primera Cadena Argentina de Broadcasting". – *Interval-Signal:* 4-note signal on vibraphone.



SIRA: Address: Servicio Internacional Radiofonico Argentino, Avenida Belgrano 1841, Buenos Aires.

Leading Personalities: General Director Mr. Oscar Landi. Director of Programmes Mr. E. Lagorio. Deputy Director Mr. E. Paolucci. Chief Editor Mr. J. M. Villone.

Foreign Service:

LRA 17720, 9690, 15345 kc/s. LRS 11880 kc/s. LRU 15290 kc/s.

	Language	Reception area	kc/s.
12.00–14.00	Portuguese	Brazil	15345
14.00–17.00	French	France	15345
17.05–19.00	Spanish	Europe and America	15345
19.30–22.00	English	U.S.A.	9690
22.00–03.00	Spanish	Caribbean	9690
09.00–10.45	Spanish	Latin-America	15290
15.00–17.45	Spanish	Latin-America	15290

23.00–01.00	Spanish	Latin-America	15290
01.00–03.00	English	U.S.A.	15290
10.00–15.00	Portuguese	Brazil	11880
15.00–16.00	English	England	11880
16.00–17.00	German	Europe	11880
17.00–18.00	Italian	Italy	11880
18.00–19.00	Spanish	Europe and America	11880
19.00–00.30	Portuguese	Brazil	11880
01.00–03.00	Spanish	America	11880

Signature Tune: "La Firmeza". **Interval Signal:** Gong c-d-e-f-f.

Announcement: "Aqui Buenos Aires de acuerde con el idioma en gue transmita . . ." in the language of the programme. *Verification* by QSL-card. No return postage is required. *Publication:* Monthly programme schedule bulletin, in seven editions: Portuguese, Spanish, English, Italian, French, German and Swedish.

BOLIVIA

Language for all stations Spanish. All stations commercial exc. CP5,6, CP4, CP38, CP27.

Stations: *Short Waves:*

	kc/s	m	kW	
CP5	5970	50.26	1	R. Illimani, Emissora del Estado, La Paz. 11.30–13.00, 15.00–17.00, 21.30–03.00.
CP44	6060	49.50	0.1	R. Popular, Cochabamba. 12.00–13.00, 16.00–18.00, 23.00–03.00.
CP18	6070	49.42	0.3	R. El Condor, Oruro. 11.00–14.00, 16.00–18.00, 22.00–03.00.*)
CP15	6120	49.02	1	R. El Condor, La Paz (as CP18).*)
CP30	6135	48.90	0.5	R. Electra, Santa Cruz. 16.15–17.30, 21.30–02.00.
CP12	6150	48.78	0.3	R. Fides, La Paz. 16.00–17.30, 22.00–02.15.
CP9	6185	48.50	0.5	R. Amauta, La Paz. 11.15–13.00, 23.00–03.00.
CP37	6190	48.47	0.3	R. Oruro, Oruro.
CP22	6250	48.00	0.25	R. Internacional, Potosi.
CP6	9500	31.58	1	as CP5.
CP38	9505	31.56	0.7	R. La Cruz del Sur, Cajon 8, La Paz. W.: 11.00–12.15, 14.30–17.30, 23.00–02.15. Sun.: 12.00–13.30, 16.00–21.00.*)
CP21	9570	31.35	0.4	R. La Plata, Sucre. 13.00–14.00, 20.30–22.00, 00.30–02.00.

Medium Waves:

	kc/s	m	kW			kc/s	m	kW	
CP27	730	410	0.7	as CP38.	CP47	1160	258	0.1	as CP44.
CP20	900	333	0.3	as CP15.	CP29	1350	222	0.08	as CP12.
CP4	1020	294	10	as CP5.					

*) *Verification* by QSL-card.

BRAZIL

Number of Listeners: approx 15.000.000.

Language for all stations, except as noted: *Portuguese.* All stations *Commercial*, exc.: Radio Ministerio da Educacao e Saude and Radio Difusora do Dep. Federal de Seguranca Publica.

Medium Waves:

	kc/s	m	kW	
PRH7	620	483.9	5	R. Panamericana. Sao Paulo 09.00–03.00.
PRA8	720	417.0	25	R. Clube de Pernambuco. 08.55–02.00.
PRL6	780	384.0	20/10	R. Jornal do Commercio. 09.55–02.30.
PRA2	800	375.0	25	R. Ministerio da Educacao e Saude. 09.50–12.00, 15.00–02.30.
PRI3	880	341.0	22.5	R. Inconfidencia. 10.00–03.00.
ZYK20	890	337.1	20/10	R. Tamandaré. 09.00–03.00.
PRB7	900	333.3	10	R. Tamoio. 09.00–04.00.
PRF3	960	312.0	10	R. Difusora Sao Paulo. 10.00–04.00.
PRE8	980	306.1	50	R. Nacional. 09.00–04.10.
PRB9	1000	300.0	50	R. Record.
PRD8	1030	291.0	5	Emissora Continental. 10.00–04.00.
PRG2	1040	288.0	50	R. Tupi de Sao Paulo. 10.00–04.00.
PRG9	1100	272.7		R. Nacional, Sao Paulo.
PRH3	1160	258.6	1	R. A. Voz do Oeste. 12.00–13.00, 15.00–18.00, 21.00–01.00.
PRE9	1200	250.0	10	Ceara R. Clube. 09.00–03.00.
PRG8	1210	247.9	1	Bauru R. Clube. 11.00–14.00, 20.00–02.00.
ZYB5	1270	236.0	1	R. Poti 21.00–01.00.
ZYX9	1270	236.0	10	R. Brasil Central. 12.00–16.00, 18.00–22.00, 00.00–03.00.
PRG3	1280	234.0	50	R. Tupi. 10.00–03.30
ZYO7	1350	222.5	1	R. Borborema. 21.00–01.00.
ZYQ3	1370	218.5	0.5	R. Difusora de Teresina. 20.55–02.00.
PRC5	1450	207.0	5	R. Club de Para. 10.00–01.30.
ZYN20	1450	207.0	5	R. Cultura da Bahia. 21.00–01.00.
PRJ4	1470	204.1	0.5	R. Educadora de Parnaiba. 14.00–16.00, 20.30–01.00.
PRJ9	1490	201.3	5	R. Timbira. 11.00–01.00.
ZYZ21	1490	201.3	1	R. Relogio Federal. 24 hours a day.

Short Waves:

ZYV30	2340	128.2	0.5	R. Difusora Brasileira. 21.00–02.00.
	2480	121.0	0.5	R. Cultura de Araraquara. 11.00–01.00.
ZYR62	3255	92.17		R. Clube de Marilia, Rua Paes Leme 20, Marilia, Sao Paulo. 10.30–02.00.
ZYR59	3335	89.95		A Voz do Sertao Caixa Postal 5, Presidente, Sao Paulo. 11.00–02.00.
ZYK21	3265	91.87	1	as ZYK20. 09.00–03.00.
ZYR31	3275	91.60	1	as PRG8. 11.00–14.00. 20.00–02.00.
	3295	91.04	5	as PRD8. u. constr.
ZYJ21	3325	90.23	1	as ZYO7, 21.00–01.00.
ZYN22	3345	89.68	1	as ZYN20. 21.00–01.00.
ZYY3	4755	63.10	1	R. Brasil. 11.00–03.00.
ZYM8	4785	62.70	0.5	R. Ribamar 21.00–01.00.
ZYS8	4805	62.43	5	R. Difusora Amazonas. 10.00–17.00, 21.00 (Sun. - 20.00)–03.00 (Sun. 02.00).
ZYR61	4805	62.43	1	Radio Difusora de Taubaté, Taubaté, Sao Paulo 11.00–02.00.

ZYE7	4825	62.18	0.5	as PRJ4. 14.00–16.00, 20.30–01.00.
ZYU8	4845	61.92	0.5	as ZYQ3. 20.55–02.00.
PRC5	4865	61.66	2	as PRC5. 21.00–01.30.
PRF6	4895	61.29	5	R. Baré. 21.00–02.00.
ZYZ20	4905	61.16	5	as ZYZ21. medio 1952.
ZYI21	4935	60.80	1	as ZYB5. 21.00–01.00.
ZYY9	4975	60.30	2.5	as PRJ9. 11.00–01.00.
ZYZ5	4985	60.19	0.5	as PRH3, 12.00–13.00, 15.00–18.00, 21.00–01.00.
ZYY2	4995	60.07	1	as ZYX9. 12.00–16.00, 18.00–22.00, 00.00–03.00.
ZYY20	4995	60.07	1	R. Difusora do Guapore. 12.00–13.30, 15.00–17.30, 21.30–02.30.
ZYP23	5045	59.46	5	R. Quitandinha. 11.00–15.00, 21.00–03.00.
PRK5	6000	50.00	5	as PRI3. 10.00–03.00.
PRA8	6015	49.88	25	R. Clube de Pernambuco 08.55–02.00.
PRB21	6055	49.55	7.5	as PRH7.
ZYK2	6085	49.30	16	as PRL6. 21.00–02.30.
ZYB7	6095	49.22	25	as PRF3. 13.00–03.00.
ZYN6	6105	49.14	5	as PRE9. 14.00–16.00, 19.00–21.00 (Mo. to Fri.), 21.00–02.00.
PRC21	6135	48.90	7.5	R. Gaucha 10.00–13.00, 20.00–05.00.
PRL9	6147	48.80	50	as PRE8. inactive.
PSL	7935	37.81	1.5	Agencia Nacional. 12.00–13.00, 18.00–19.00, 21.00–23.00.
PRN9	9290	32.28	5	Difusora do Dept. Federal de Seguranca Publica. 12.00–13.00, 19.00–20.30(exc. Sat.) 21.00–22.00, 22.30–02.00.
PRB22	9505	31.56	7.5	as PRB9.
PRG9	9545	31.43	50	R. Nacional, Sao Paulo.
ZYK3	9565	31.36	16	as PRL6. 09.55–17.00, 19.00–02.30.
ZYC8	9610	31.22	25	as PRB7. 09.00–02.30.
PRC22	9675	31.01	7.5	R. Gaucha. 13.00–20.00.
PRL7	9720	30.86	50	as PRE8. 09.00–04.10.
ZYR57	9745	30.78	7.5	R. Cultura Avenida Sao Goao 1285, Sao Paulo, S. P.
PRL4	9770	30.70	1	PRA2. Inactive.
PSH	10220	29.35	1.5	Agencia Nacional. 12.00–13.00, 18.00–19.00, 21.00–23.00.
PRL8	11720	25.60	50	as PRE8. inactive.
ZYB8	11765	25.50	25	as PRF3. 13.00–03.00.
PRG9	11805	25.41	50	R. Nacional, Sao Paulo.
ZYK3	11825	25.37	16	as PRL6. inactive.
PRA8	11865	25.28	10	as PRA8. inactive.
PRC23	11865	25.28	7.5	R. Gaucha inactive.
PRL5	11950	25.10	10	as PRL4. 09.50–12.00, 15.00 02.30.
PSF	14690	20.42	1.5	Agencia Nacional. 12.00–13.00, 18.00–19.00, 21.00–23.00.
PRC24	15115	19.85	7.5	R. Gaucha inactive.
PRB23	15135	19.82	7	as PRB9.
ZYK2	15145	19.81	16	as PRL6. 09.55–19.00.
ZYB9	15155	19.80	7.5	as PRF3. 13.00–03.00.
ZYN7	15165	19.77	5	as PRE9. inactive.
PRK9	15190	19.75	5	as PRI3. occasionally.
ZYC9	15370	19.52	25	as PRG3. 10.00–03.30.
PRL9	15295	19.61	50	as PRE8
PRL9	17850	16.81	50	as PRE8. occasionnally.

RADIO NACIONAL:

Addresses: Praca Maua, 7–20° andar, Rio de Janeiro. – Rua 24 de Maio, 208–13° andar, Sao Paulo. – S. P.

Leading Personalities: *Rio de Janeiro:* Director General Mr. V. Costa; Assistent General Mr. Aurelio de Andrade; Administrator Mr. J. Picaluga; Director of Programmes Mr. Paulo Tapajoz; Chief Engineer Mr. J. Nobrega. – *Sao Paulo:* President Mr. J. B. Ramos; Vice-President Mr. M. Donato; Administrator Mr. E. Guenter; Superintendent Mr. V. Costa.

Stations:

Rio de Janeiro: PRL8 980 kc/s – PRL9 6147 kc/s – PRL7 9720 kc/s – PRL8 11720 kc/s – PRL9 15295 kc/s – PRL9 17850 kc/s. – *F.M. and Television – see F.M. and Television Stations of the World.*

Sao Paulo: PRG9 1100 kc/s, 9545 kc/s, 11805 kc/s.

HOME SERVICE in Portuguese:

On 980 kc/s: 08.45–04.10. *News:* 09.45, 11.00, 13.00, 15.55, 17.00, 18.00, 19.00, 20.00, 23.20, 01.55, 02.15.

FOREIGN SERVICE:

PRL7 (9720): 08.45–20.00, 23.00–04.10.

PRL9 (15295): 22.03–00.57.

All programmes in *Portuguese* exc. from 19.00–19.20. – In *Spanish:* Programmes in parallel with PRE8.

An *English service is* planned from January 1953 through Radio Nacional Rio de Janeiro and a Japanese service is planned through R. Nacional Sao Paulo.

Announcement: "Ouwem a R. Nacional de Rio de Janeiro, Brasil, transmitindo atravez de suas emissoras de ondas curtas, médias e frequencia modulada".

Interval-Signal: First movement of the Brasilian musical poem: "Luar do Sertao".

Verification by QSL-card and letter. Return postage not required.

ZYV30. *Address:* Caixa Postal 173, Uberlandia, Minas Gerais. – *Verification* by letter.

2480 kc/s – *Address:* Araraquara.

ZYK21/ZYK20. *Address:* Praca da Independencia 12, Recife, Pernambuco. *Verification* by QSL-card.

ZYR31/PRG8. *Address:* Rua 1° de Agosto 635, Bauru, Sao Paulo. *Verification* by letter.

3295/PRD8. *Address:* Avenida Rio Branco 173, 19° andar, Rio de Janeiro, Distrito Federal. *Signature Tune:* "Marcha Continental". – *Verification* by letter.

ZYJ21/ZYO7. *Address:* Rua Cardoso Vieira 36, Campina Grande, Paraiba.

ZYN22/ZYN20. *Address:* Rua Sete de Setembro 311, Salvador, Bahia.

ZYY3. *Address:* Caixa Postal 625, Campinas, Sao Paulo. *Verification* by letter.

ZYM8. *Address:* Caixa Postal 48, Sao Luiz, Maranhao.

ZYS8. *Address:* Rua Joaquim Sarmento 100, Manaus, Amazonas.

ZYE7/PRJ4. *Address:* Caixa Postal 31, Parnaiba, Piaui. *Signature Tune:* "PN the Mall". – *Verification* by letter.

ZYU8/ZYQ3. *Address:* Aerolino de Abreu 1157, Teresina, Piaui.

PRC5. *Address:* Edificio Bern, Balem, Parà. – *Signature Tune:* "Poem", by Feibich. – *Verification* by QSL-card.
PRF6. *Address:* Av. Eduardo Ribeiro 586, Manaus, Amazonas.
ZYZ20/ZYZ21. *Address:* Caixa Postal 4543, Rio de Janeiro, Distrito Federal.
Standard Time Service: Broadcasts short commercial advertisements, weather forecasts and give the exact time each minute in Portuguese. *Verification* by letter. IRC required.
ZYI21/ZYB5. *Address:* Av. Deodoro 245, Natal, Rio Grande do Norte. – *Verification* by letter. IRC required.
ZYY9/PRJ9. *Address:* Edificio da Imprensa Oficial, Sao Luiz, Maranhao.
ZYZ5/PRH3. *Address:* Rua Barao do Melgaco 484, Cuiaba Mato Grosso.
ZYY2/ZYX9. *Address:* Av. Anhanguera 20, Goiania, Goias. – *Interval-Signal:* Signature Tune: 15-minute Big-Ben strikes. – *Verification* by letter.
ZYY20. *Address:* Casa do Radio, Porto Velho, Territorio Federal do Guaporé. – *Interval-Signal:* 3-note gong. *Verification* by letter/QSL-card. IRC required.
ZYP23. *Address:* Av. Rio Branco 311, 9°. andar, Rio de Janeiro, Distrito Federal. – *Interval-Signal:* Gongs. Signature Tune: "Aquàrelas no Brasil". – *Verification* by QSL-card.
PRK5, 9/PRI3. *Address:* Caixa Postal 1027, Belo Horizonte, Minas Gerais. – *Verification* by QSL-card. IRC required.
PRA8. *Address:* Av. Cruz Cabuga 394, Recife. *Verification* by letter and QSL-card.
PRB21, 20, 22, 23/PRH7. *Address:* Rua Quintino Bocaiuva 22, Sao Paulo.
PRB21 and PRH7 in parallel. – *Verification* by QSL-card.
ZYK2/ZYK3/PRL6. *Address:* Rua Marques do Recife, Recife, Pernambuco.– *Daily Programmes:* In **English:** Brazil Calling, daily on 9565 kc/s at 01.05–01.30, exc. Sun.: 21.25–21.55. – *Interval-Signals:* Electric gong. Some bars of the Pernambuco Anthem. Signature Tune: Folklore songs. – *Verification* by QSL-card. IRC required.
ZYB7, 8, 9/PRF3, PRG2. *Address:* Emissoras Associadas, Rua 7 de Abril 230, 4° andar, Sao Paulo.
Daily Programmes: ZYB7 and ZYB9, relay Radio Difusora Sao Paulo. ZYB8 relays Radio Tupi Sao Paulo. *Verification* by QSL-card.
ZYN6, 7/PRE9. *Address:* Caixa Postal 222, Fortaleza. *Verification* by letter. Programme in English on ZYN7 from 19.00–21.00.
PRC 21, 22, 23, 24. *Address:* Avenida Borges de Medeiros, Edifico Uniao, 119 andar, Porto Alegre, Rio Grande do Sul. – The programmes on 6135 kc/s 03.00–05.00 are dedicated to foreign listeners.
Verification by QSL-card.
PSF/PSH/PSL. *Address:* Ministerio da Justica e Negocios Interiores, Agencia Nacional, Av. Presidente Wilson 164, 8° andar, Rio de Janeiro, Distrito Federal.
Daily Programmes: exc. Sun.: In Portuguese: 12.00–13.00.
ZYC8,/PRB7. *Address:* Av. Venezuela 43, 2° andar, Rio de Janeiro, Distrito Federal. – *Verification* by QSL-card. IRC required.
PRN9. *Address* Rua da Relacao s/n, Rio de Janeiro. Program in Spanish: 19.30–20.00. – *Verification* by letter. Reports in any language.
PRL4, 5/PRA2 (Cultural). *Address:* Servicio de Radio Difusao Educativa, Praca da Republica 141-A, 3° andar, Rio de Janeiro, Distrito Federal. – *Program in Spanish:* D. 02.00–02.30. – *Verification* by letter.
ZYC9/PRG3. *Address:* Av. Venezuela 43, 3° andar, Rio de Janeiro. *Daily Programmes:* On 1280, 15370 kc/s. (ZYC9 Radio Tamoio): 10.00–03.30. *Verification* by QSL-card. IRC required.

CHILE

Hours of transmission for all stations: 11.00–04.00.
Association de Radiodifusoras de Chile (ARCHI), Casilla 359, Santiago. *Cable:* Archi. President: Mr. R. Vivado O.

Stations: *Short Waves:*

	kc/s	m	kW	
CE8AA	5750	52.18	1	Soc. Nac de Agricultura. Casilla 40-D.[1]) Santiago. (Experimental)./[1]
CE601	6010	49.92	0.25	Emisoras Norte, Casilla 556, Antofagasta.[1]
CE604	6045	49.63	0.25	R. Libertad, Casilla 457, Antofagasta.
CE615	6150	48.78	5	Coop. Vitalicia, Casilla 37-V, Valparaiso.[2] *Verification* by QSL-card.
CE619	6190	48.47	1	R. Corporation, Corporacion Chilena de Broadcasting y Television S. A. Huerfanos 1248, Santiago.[3]
CE622	6220	48.23	5	Soc. Nac. de Mineria, Casilla 2626, Santiago. *Verification* by QSL-card.
CEZ7C	7660	39.16	1	R. Yungay, Huerfanos 930, Santiago.[3]
CE960	9600	31.25	1	R. La Americana, Nulva York 53 pido 7/, Santiago.[3] *Verification* by QSL-card.
CE970	9700	30.93	1	as CE615 – Santiago.[2]
CE1173	11730	25.58	5	as CE622.[3]
CE1174	11740	25.55	1	R. Nuevo Mundo, Alameda 924 piso 7°, Santiago.[3]
CE1180	11800	25.42	1	as CE8AA.[3]
CE1185	11850	25.32	1	R. El Mercurio, Plaza Bulnes 47 piso 8°, Santiago.[3]
CE1190	11900	25.21	5	as CE615.[2]
CE1515	15150	19.80	1	as CE619.[3]

Medium Waves:

	kc/s	kW			kc/s	kW	
CB57	570	15	as CE8AA[1]	CB106	1060	10	as CE622[3]
CB66	660	12	as CE619		1180	25	R. Cristobal, Vina del Var
CB73	730	10	as CE615[2]	CB114	1140	50	as CE619[3]
CB76	760	50	as CE970[2]				
CA90	900	1	as CE604[3]	CA127	1270	0.25	as CE601[2]
CB93	930	10	as CE1174[3]	CB130	1300	1	as CE960[3]
CB101	1010	1	as CEZ7C[3]	CB138	1380	50	as CE1185[3]

[1]) **RADIO SOC. NAC. DE AGRICULTURA.**
(Other m. v. stations: CB90 – 1 kW, CD121 – 10 kW.)
[2]) **COMPANIA CHILENA de COMMUNICACIONES**
(Other m. v. stations: CB63 – CC59 – CD63 – CD89 – CD101 – CD103 1 kW. *Verification* by QSL-card).
[3]) **SOC. CHILENA RADIODIFUSORAS S. A.**
(Other m. v. stations: CB118 – 25 kW, CB66 – 12 kW, CB62 2 kW, CD84, CC116 – 1.5 kW, CD111 – 1.25

kW CD69 – 1.2 kW. 21 stations each 1 kW and 16 low-power stations.

Interval-Signal: Notes from the melody »Los Copihues Rajor«.

COLOMBIA

All stations commercial, exc. Radio Nacional.

Short Waves:

	kc/s	m	kw	
HJEF	4768	62.96	3	Radiodifusora de Occidente. Cali.
HJAB	4783	62.70	2.5	Emisoras Unidas. La Voz del Comercio, Armenia. 11.00-04.00
HJFU	4797	62.57	0.5	La Voz del Comercio, Armenia. 13.00–04.00.
HJDU	4805	62.43	0.5	Universidad de Medellin, Medellin. 11.00–03.30.
HJBB	4815	62.31	0.75	La Voz de Cucuta, Cucuta. 12.00–04.00.
HJED	4825	62.18	1	La Voz del Valle. Cali 13.00–03.00
HJKE	4835	62.05	2.5	R. Continental, Radiodifusion Colombiana, Bogota. 13.00–02.30.
HJGF	4847	61.92	2.5	R. Bucaramanga, Bucaramanga, Aptado 3/2. *Verification* by letter. 13.00–19.00, 21.30–04.00.
HJFV	4855	61.79	0.5	R. Neiva, Neiva. 13.00–03.30.
HJFA	4865	61.66	1	La Voz de Pereira, R. Cadena Nacional, Pereira. 13.00–03.30.
HJBG	4870	61.60	2.5	La Voz del Norte, Cucuta. 13.00–04.00.
HJCH	4895	61.29	2	La Voz de la Victor, Bogota. 13.00–04.00.
HJAG	4901	61.23	1	Emisora Atlantico, Barranquilla 13.00–04.00.
HJAP	4930	60.90	1	R. Colonial, Calle del Porvenir, Cartagena. 12.30–19.00, 22.00–04.00.
HJCW	4945	60.66	1	Emisora Sur America, Correo 8 a, No. 11–57, Bogota. 12.00–16.15, 21.00–04.00.
HJCQ	4955	60.55	1	Radiodifusora Nacional, Ministerio de Education, Bogota. 13.00–19.00, 22.00–04.15. *Verification* by letter.
HJAE	4965	60.42	1	Emisora Fuentes, P.O.Box 31, Cartagena. 12.00–03.00.
HJFW	5020	59.76	1	Transmissora Caldas, Manizales. 13.00–04.00.
HJDW	5055	59.25	5	La Voz de Medellin, R. Cadena Nacional, Medellin. 13.00–04.00
HJKH	5060	59.30	1	Accion Cultural Popular, Sutatenza. 13.00–04.00.
HJCF	5964	50.28	1	La Voz de Bogota, Bogota. 12.00–02.00.
HJKD	6000	50.00	5	Emisora Nuevo Mundo, Bogota 13.00–04.00.
HJFC	6010	49.92	1	La Voz de Armenia, Armenia. 13.00–04.00.
HJCX	6018	49.84	5	La Voz de Colombia, Bogota, Aptdo Postal No. 2665. 13.00–04.00.
HJEX	6055	49.55	2.5	R. Pacifico, Cali, Apartado Nacional 559. 12.00–03.30.
HJFK	6098	49.19	2.5	La Voz del Amiga, Pereira. *Verification* by letter. 13.00–03.00.
HJFD	6105	49.14	4.5	R. Manizales, Manizales. 11.30–04.00.
HJEV	6135	48.90	1	La Voz del Valle, Cali.
~~HJED~~ HJDE ?	6145	48.82	5	La Voz de Antioquia, Cia Colombia de Radiodifusora, Mara Caibo 46–80, Medillin. *Verification* by QSL-card. 13.00–04.00.
HJKJ	6160	48.70	5	Emisora Nueva Granada, R. Cadena Nacional, Bogota. 12.00–04.00.
HJCQ	6203	48.38	10	Radiodifusora Nacional, Bogota
HJKF	9520	31.51	5	Emisora Nuevo Mundo, Bogota
HJCQ	11680	25.68	3	Radiodifusora Nacional, Bogota

Medium Waves:

	kc/s	m	kw	
HJCZ	710	422	10	as HJCX
HJAN	730	411	10	as HJAB
HJDK	770	389	10	as HJDE
HJKC	830	361	10	as HJKD
HJCE	860	349	10	as HJCF
HJCI	890	337	10	as HJCH
HICS	920	326	1	as HJKE
HJAF	930	322	10	as HJAE
HJKL	950	316	10	as HJKJ
HJDB	980	306	10	as HJDW
HJFJ	1050	286	1	as HJFW
HJAH	1050	286	1	as HJAG
HJFM	1080	278	1	as HJFC
HJFB	1120	268	1	as HJFD
HJCE	1130	265	1	as HJGF
HJEB	1150	261	1	as HJED
HJCO	1160	258	1	as HJCW
HJCR	1200	250	5	as HJCT
HJEL	1210	248	5	as HJEF
HJFG	1250	240	1	as HJFU
HJBC	1270	236	1	as HJBB
HJFE	1330	225	1	as HJFA
HJBF	1350	222	1	as HJBG
HJER	1370	219	1	as HJEX
HJAR	1400	214	1	as HJAP

ECUADOR

Cultural station HCJB, other stations commercial.

Short Waves:

HCBX5	2850	105.0	0.25	R. Cuenca, Cuenca.
HCAD5	4200	71.50	0.25	La Voz del Tomebamba, Cuenca. Aptdo 23. 16.30–19.00, 23.00–03.30.
HCNE1	4470	67.12	0.3	R. Nacional Espejo, Quito.
HCFF4	4580	65.59	0.3	La Voz de Esmeraldas, Esmeraldas. 01.00–04.00.
HCAJ2	4655	64.80	1	Radiodifusora del Ecuador, Guayaquil, 12.00–19.00, 23.00–04.00.
HCGI2	4700	63.83	0.25	R. El Telegrafo, 10 de Agosto 601, 12.00–03.30.
HCBT6	4705	63.62	0.25	Voz del Tungurahua, Ambato, 23.00–04.00.
HCBK2	4710	63.69	0.25	R. El Mundo, Guayaquil
HCAS4	4730	63.50	0.25	La Voz de los Caras, Bahia
HCBD1	4750	63.16	0.20	R. Commercial, Bonalcaza 753, Quito 01.30–03.30.

Ecuador

HCFA4	4760	63.03	0.25	La Voz de Manabi, Av. 18 de Octubre 113, Portoviejo 01.00–03.30.
HCGB5	4770	62.87	0.25	R. Cordillera, Riobamba.
HCPM1	4780	62.76	0.25	R. El Palomar, Colon 1060 Quito 23.00–04.00.
HCOF4	4780	62.76	0.20	La Voz de Chone, Chone
HCHV4	4800	62.50	0.3	Voz de Jipijapa, Jipijapa.
HCMI1	4840	61.98	0.25	R. Gran Colombia, Quito.
HCCV3	4850	61.86	0.25	Ondas del Zamora, Loja.
HCFV6	4850	61.86	0.2	Ondas del Cotopaxi, Latacunga.
HCRT6	4885	61.42	0.3	R. Cultural Religiosa, Ambato.
HCIM1	4900	61.23	0.25	La Voz de Imbabura, Palacio Municipal Ibarra.
HCAR1	4910	61.10	0.2	Voz de Montufar, S.Gabriel.
HCLR5	4915	61.04	0.3	Voz de Alausi, Alausi.
HCRC1	4930	61.90	1	R. Casa de la Cultura, Quito.
HCHP5	4960	60.48	0.25	Ondas Ecuatorianas, 5 de Janeio, Riobamba 02.00–04.00.
HCJS5	4980	60.24	0.25	Ondas Azuayas, Cuenca.
HCCD3	4990	60.12	0.4	Ondas Castellanas, Loja.
HCBL5	5025	59.70	0.2	R. Alborada, Pdre Aguirre 161, Cuenca 16.30–04.00.
HCGY6	5990	50.08	0.3	R. Luz, Antena del Folklore Ecuatoriano, Calle Quito 418, Ambato 15.00–18.00, 19.00–22.00.
HCRQ2	6050	49.59	0.25	La Voz del Tropico, Quevedo.
HCJB	6050	49.59	0.8	see below.
HCFQ2	6065	49.46	0.3	R. Continental, Colon 520, Guayaquil 16.45–04.00. *Verification* by QSL-card.
HCPT5	6095	49.22	0.25	Voz del Perpetuo Socorro, Cuenca.
HCFB2	6130	48.94	0.25	R. Nal. Condor, Casilla 3345, Guayaquil 00.00–05.00.
HCFM1	6185	48.50	0.25	R. Equinoccial, Ibarra 22.00 03.30.
HCAC1	6210	48.31	0.25	La Voz de la Democracia, Aptdo 501 Quito 17.00–21.00, 23.00–04.30.
HCLT2	6220	48.23	0.3	Radiodifusora Costa Azul, Salinas.
HRCL2	6400	46.86	0.2	R. Quinta Piedad, Tomas Martinez 209, Guyayaquil.
HC4EB	6870	43.66	0.25	Radio Manta, Aptdo 4869, Manta 16.30–18.00, 23.30–04.00.
HCDC4	7300	41.10	0.25	R. Cenit, Manta.
HCAN2	7350	40.81	0.2	Radio Cenit, Blv. 9. de Octubre 608, Guayaquil 13.00–04.30. *Folklore Music* 01.00–04.00 Tues., Fri.
HCJB	9745	30.78	10	see below.
HCFW2	11805	25.41	0.3	as HCFQ2.
HCJB	11915	25.17	10	see below.
HCJB	15115	19.85	10	see below.
HCJB	17890	16.77	10	see below.

Medium Waves:

	kc/s	*kW*	
HJCB1	700	0.8	as HCJB.
HCAK2	1050	1	as HCAJ2.
HCBD1	1111	0.2	as HCBD1.
HCFB2	1140	0.25	as HCFB2.
HCET2	1150	0.25	as HCGI2.
HCBJ2	1220	0.25	as HCBK2.
HCFG1	1240	0.25	as HCPM1.
HCBT6	1250	0.3	as HCBT6.
HCAB1	1280	0.25	as HCAC1.
HCDC2	1300	0.2	as HCAS2.
HCNE1	1310	0.3	as HCNE1.
HCFL2	1400	0.3	as HCFQ2
HCMJ1	1410	0.25	as HCMI1.
HCRX1	1430	0.25	as HCRC1.

Other Medium Wave stations:
12 low power stations in Quito, 12 in Guayaquil, 3 in Riobamba. 2 in Ambato and 1 in Milagro.

HCJB: LA VOZ DE LOS ANDES (The Voice of the Andes). Casilla 691, Quito. – *Cable:* Vozandes. International Missionary Station. Owned and operated by the World Radio Missionary Fellowship Incorporated, P.O.Box 390, Flushing, New York, U.S.A.

Leading Personalities: Field Director Mr. D. S. Clark; Program Director Mr. Robert Savage; North American Director Dr. C. W. Jones; Advance Program Director Mr. Reuben E. Larson.

DAILY PROGRAMMES: *Daily* exc. Mo. 11.00–14.00, 16.00–06.00 in 11 different languages.

English:
11.30–12.30 in 25, 31 m.b. to America.
21.00–22.30 in 16, 25 m.b. Tu.–Fri. 19 m.b. until 21.30. To Europe.
02.00–05.30 in 19, 25, 31 m.b. – (after 4.00 also in 49 m.b.) to N. America.
06.30–08.00 in 19, 25, 31 m.b. for Australia, New Zealand.

Spanish:
11.00–12.30 in 19, 49, 428 m.b. – 12.30–14.00 in 19, 24, 31, 49, 428 m.b. – 14.00–17.30 in 19, 49, 428 m.b. – 17.30–19.30 in 16, 19, 31, 49, 428 m.b. – 19.30–24.00* in 19, 49, 428 m.b. – 23.30–24.00 Tues., Sat., Sun. in 16, 19 m.b. – 00.00–02.00 in 19, 25, 31, 49, 428 m.b. – 02.00–04.00 in 49, 428 m.b.

Swedish: 20.30–22.30 in 16, 19, 25 m.b.**

French: 20.00–20.30 in 16, 19, 24 m.b.**

German: 19.30–20.00 in 16, 19, 24 m.b.** – 06.00–06.30 in 19, 25, 31 m.b.

Yiddish: 23.00–23.30 in 25, 31 m.b.

Quechua: 16.30–17.00 Thurs. 13.30–14.00 Sun. 19.00–19.30 Sat. in 49, 428 m.b.

Russian: 11.00–12.30 in 16, 31 m.b. 16.00–17.00 Sun. in 16 m.b. 22.30–23.00 in 16, 19, 31 m.b. 05.30–06.00 in 19, 25, 31 m.b.

Portuguese: Wedn., Thurs., Fri. 23.30–24.00 in 16, 19 m.b.

Greek: Wedn., Sun. 17.00–17.30 in 16 m.b.

Ukranian: Tues., Thurs., Sat. 17.00–17.30 in 16 m.b.

* From 22.30–23.00 the 19 m transmitter is used for Russian programmes.

** On Sat., Sun. the 19 m transmitter is used for Spanish programmes.

Announcement: "You are tuned to the Voice of the Andes,

International Missionary Station HCJB located at Quito, Ecuador, South America".
Interval-Signal: Time Signal each half hour consisting of three short tones followed by a long tone (V=...—) long dash indicating hour or half hour.
Verification by QSL-card. Return postage is not required.

FALKLAND ISLANDS

Number of Listeners: 660. **Language:** English.
Address: Broadcast Studios, Port Stanley.
Stations: 1500 kc/s 200 m 3400 kc/s 88.24 m 0.25 kW*
*) to be increased to 5 kW in 1953.
Daily Programmes: Mo. 00.30–01.30 – Tues. 23.15–01.00 – Wedn., Thurs., Fri. 23.15–01.00. – Sat. 21.00–22.00, 23.15–01.00. – Sun. 21.00–22.00, 23.00–23.59. – *Local News:* Fri. after announcement at 21.05.

GUIANA (British)

Address: B. G. United Broadcasting Company Ltd., 30-32 New North Road, Bourda, Georgestown.
Stations: ZFY. 1230 kc/s 244 m 0.5 kW. – 5981 kc/s 2 kW.
Daily Programmes: in *English:* 10.15 (Sun. 10.45)–16.45, 19.45–01.45. Relay BBC News at 23.00.
Announcement: "This is Radio Demerara, station ZFY, Georgestown, British Guiana".
Interval-Signal: Vibraharp modulations.
Verification by QSL-card. Return postage required.

PARAGUAY

All stations commercial exc. ZPA1. Language: Spanish.

Stations:	kc/s	m	kW		kc/s	m	kW
ZPA1	6275	47.81	2	ZPA4	9735	30.82	1
ZPA3	11850	25.32	1.2	ZPA5	11950	25.10	5

ZPA1 – RADIO NACIONAL
Address: Coronel Martinez 224, Asuncion.
Daily Programmes: 15.00–17.00, 22.30–02.30. – **Verification** by QSL-card or letter.

ZPA3 – RADIO TELECO. Address: Calle Azara 56, Asuncion. – **Daily Programmes:** 11.35–18.05. 22.00–02.05. **Verification** by QSL card.

ZPA4 – RADIO STENTOR
Address: Indenpendencia Nacional 703, Asuncion. – **Daily Programmes:** 22.30–03.00.

ZPA5 – RADIO ENCARNACION
Address: Compania Paraguaya de Radiodifusion, Encarnacion. – **Daily Programs:** ZPA5 *Spanish* 11.00–02.05. **Verification** by QSL card.

PERU

All stations commercial exc. R. Nacional.
Hours of transmission for all stations: Approx. 12.00–05.00.
Stations:

Short Waves:

	kc/s	*m*	*kW*	
OAX4Z	5886	50.97	15	R. Nacional, Lima*)
OAX4V	5920	50.70	0.5	R. America, Ocona 476, Lima.
OAX2A	6000	50.00	0.25	R. El Palomar, Trujillo.
OAX4Q	6020	49.83	1	R. Victoria, Edificio Mineria 508, Lima.
OAX6B	6035	49.71	0.2	R. Landa, Calle Sucre 409, Arequipa*)
OAX6A	6042	49.65	0.25	R. Arequipa, Palacio Viejo 106, Arequipa.
OAX6E	6055	49.55	0.3	R. Continental, Rivero 103, Arequipa.
OAX4S	6070	49.42	0.3	R. San Christobal, Lima.
OAX4Z	6082	49.32	15	R. Nacional, Lima.*)
OAX4H	6095	49.22	1	R. Mundial, Lima.
OAX7A	6128	48.96	0.1	R. Cuzco, Montes 43, Cuzco.
OAX1A	6150	48.78	0.25	R. Delcar, Casilla 109, Chiclayo.
OAX4B	6170	48.62	0.35	R. Azul, Cerro de Pasco.
OAX4G	6190	48.47	0.25	R. Lima, Lima.
OAX1B	6198	48.40	0.3	R. Piura, Piura.
OAX4P	6200	48.39	0.25	R. Huancayo Aptdo 187, Huancayo.*)
OAX4W	9404	31.90	0.5	as OAX4V.
OAX6H	9500	31.58	0.1	R. Tacna, Tacna.
OAX4J	9520	31.51	0.25	R. Colonial, Aptdo 1166, Lima.
OAX4K	9545	31.43	0.3	R. Central, Union 1038, Lima.
OAX4T	9562	31.37	15/50	as OAX4Z.*)
OAX5C	9590	31.28	0.2	R.Universal,Loreto 524, Ica.
OBX4R	11914	25.17	15/50	as OAX4Z.*)
OAX4X	15105	19.86	1	R. El Sol, Lima.
OAX4R	15150	19.80	15/50	as OAX4Z.*)
OBX4T	21600	13.89	15/50	as OAX4Z.*)

Medium Waves:

	kc/s	*kW*	
OAX4X	780	2	as OAX4Q
OAX4A	854	20/100	as OAX4Z.
OAX4E	930	0.2	as OAX4K.
OAX4U	1010	10	as OAX4V.
OAX4F	1080	0.25	as OAX4H.
OAX4B	1120	20/100	as OAX4Z.
OAX4B	1200	0.25	as OAX4G.
OAX4I	1320	0.25	as OAX4J.
OAX6C	1370	0.25	as OAX6E.
OAX2B	1400	0.25	as OAX2A.
OAX5B	1460	0.2	as OAX5C.

*) **Verification** by QSL-card.

RADIODIFUSORA CERRO DE PASCO
Address: Empresa Radiodifusora. Cerro de Pasco, Apartado No. 19, Cerro de Pasco.
Leading Personalities: President Mr. Flaviano Llanos; Vice-President Mr. Felix Martinench Ruiz; Engineer Mr. R. Maldonado.
Station:
OAX4B 6170 kc/s 48.62 m 0.35 kW 22.00–04.30.
Announcement: „Desde los pichachos mas alto del Continente, aqu: OXB–4–B, „Radio Azul" la Voz Andina del Peru, principia su audicion diaria, esperando que los differentes programas que vamos a tener el grado de irradiar, sea del agrado de nuestros oyentes, y esperando ser favoreci do con su sintonia, principiamos con - - - ".
Verification by QSL-card.

SURINAM (DUTCH GUIANA)

Address: Algemeene Vereeniging Radio Omroep Surinam, (Commercial). Paramaribo.
Stations:

PZH5	5752 kc/s	52.11 m	0.35 kW
PZC	15405 –	19.48 –	5 –

Daily Programs in Dutch:
PZH5 *Weekdays* 13.10–15.40, 20.40–01.40 (Sun. 11.40–16.40, 19.40–02.00). **Dept. of Education** broadcast every Sun. 01.40–02.10. News in English and Spanish for Carribbean and South America. **Verification** by QSL-card.

URUGUAY

Number of Listeners: 1,300,000.
Asociacion Nacional de Broadcasters Uruguayos (ANDEBU), Uruguay 1218. President Mr. Solino. Secretary Mr. H. F. Artucio.
Commercial Stations. Medium and Shortwave.

CXA2	6000	50	50	de Montevideo, Montevideo. 10.00–03.00
CXA32	1170	256	5	
CXA3	6075	49.38	2.5	Radio Ariel, 18 de Julio 1460.
CXA10	730	411	5	Montevideo 10.00–03,00.
CXA30	6035	49.71	1	Radio Nacional, Plaza
CX30	1130	265	2	Independencia, Montevideo 10.00–03.00.
CXA13	6135	48.74	10	Radio Carve (S.A.D.R.
CX16	850	355	50	E.P.), Mercedes 973,
CX24	1010	297	2.5	Montevideo 10.30–03.00. (La Voz del Aire).
CXA21	6170	48.62	1	Radio Fenix, Rio Bran-
CXA40	1330	225	0.5	cho 1366, Montevideo 10.00–03.00.
CXA8	9640	31.12	3	Real de San Carlos, Calle. Flores 30, Dpto. Colonia.
CXA7	11735	25.56	5	Radio Oriental, Olimar
CXA12	770	390	25	1364, Montevideo. 11.00 –14.00.
CXA19	11835	25.35	5	El Espectador, 18 de
CXA14	810	370	15	Julio 1393, Montevideo
CXA18	890	337	5	10.55–03.00. – CXA18: Libertad Sport.

Official Stations.

CXA4	6125	48.98	10	S.O.D.R.E. (Servicio
CXA6	9620	31.19	20	Oficial de Difusion Ra-
CXA10	11900	25.21	20	dioelectrica, Andes 1459,
CX6	650	462	25	Montevideo 12.00–02.00.
CX38	290	232	1	
CXA14	6055	49.38	5	Servicio Informacion y P.

Other medium wave stations on 5 kW or less: CX4 R. Rural, 610 kc/s – CX8 R. Sarandi 690 – CX20 R. Montecarlo 930 – CX22 R. Universal 970 – CX36 Broadc. Centenario 1250 – CX42 R. Arcreimlan – CX44 Emisoras Norton 1410 – CX46 R. America 1450 – CX50 R. La Capital 1530 – all in Montevideo. – 20 m.w. stations in the Interior; power 0.1–5 kW and one official m.w. station CX26 M. Ganaderia y Agric 1050 kc/s 5 kW. – There is no Television but a company has been founded: La Sociedad Anonima Emisoras de television y Anexos (S.A.E.T.A.); address: Uruguay 1218, Montevideo.

SODRE
Cable: SODRE. *Leading Personalities:* President Mr. J. Z. Muniz; Director General Mr. H. M. Laborde. – *News:* 13.00, 15.00, 20.00, 24.00, 03.00. – *Announcement:* "Servicio Oficial de Difusion Radio Electrica, Montevideo con sur emisoras CX6, CX38, CXA4, CXA6, CXA10". – *Interval-Signal:* The first movement of "Campo". *Verification* by QSL-card.

de Montevideo: Compania Uruguay de Publicidad Sociedad Anonima ((C.U.P.S.A.), La calle yi 1383, Montevideo. – *Leading Personalities:* President Mr. L. B. Pachecho; Director Mr. H. F. Artucio. – *News:* 10.00, 11.55, 13.55, 14.45, 15.55, 16.55, 17.55, 18.55, 19.55, 20.55, 21.55, 22.55, 23.55, 00.55. – *Armenian Hour:* Sun. 12.00. – *Hungarian Hour:* Sun. 12.30 – *Announcement:* "Sras y Sres tangan Uds. muy buenos dias, CX32, de Montevideo, Uruguay y su emisora en ondas cortos CXA2 . . .".

Radio Ariel: *Cable:* Radio Ariel, Montevideo. – *Leading Personalities:* Director Owner Mr. L. B. Berres; Administrator Mr. J. U. Pierro. – *News:* 10.03, 10.30, 13.00, 14.15, 15.00, 16.00, 22.00, 23.00. – *Announcement:* "Difusoras Ariel, por entermedio de sus ondas CX10 en 730 kc/s y CXA3 en la banda de 49 m" – *Verification* by QSL-card.

Radio Carve: *Cable:* SADREP. – *Leading Personalities:* Director General Mr. R. Fontaina; Director of Programmes Mr. H. Moras. – *News:* Every hour on the hour from 11.00–03.00. – *Announcement:* "SADREP. Por intermedio de CX16 Radio Carve de Montevideo, im'cia su trasmision del dia en una onda de 353 m 850 kc/s des de sus estudios en Mercedes 973 Montevideo". – *Verification:* by QSL-card.

El Espectador Difusoras del Uruguay. *Cable:* Difuruguay. *Leading Personalities:* President Mr. L. B. Sicco; Directors Mr. V. Solino, J. Cubilo; Director of Programmes. – *News:* in *Spanish:* Every hour on the hour from 11.00–03.00. In *Italian* 16.15–16.30 Thurs., Sun. In *French:* 16.30 –16.50 Sat. In *Polish:* 22.15–22.45 Sun. – In *English:* 23.10–23.30*Announcement* in Spanish, Portuguese, French, English. – *Verification* by QSL-card.

Radio Fenix. *Leading Personalities:* Owner Mr. J. Rabassa; Director of Programmes Mr. E. D'Antuoni.

Radio Nacional. *Leading Personalities:* Director General Mr. C. Rij'o; Director of Programmes Mr. R. Baz. – *News:* Every half hour from 10.00. – *Verification* by QSL-card.

VENEZUELA

All stations commercial exc. R. Nacional. Language: Spanish.
Camera Venezolana de Radiodifusion is the organization of all broadcasting stations. *Address:* Bolsa a Padre Sierra 22 altos, Caracas. *Cable:* Comradio.
Stations: *Short Waves:*

	kc/s	m	kW	
YVOG	3310	90.63	1	R. Trujillo, Trujillo 22.00–02.30.
YVQV	3320	90.36		R. Capurano, Barcelona. 11.00–03.00.
YVQL	3330	90.09	1	La Voz de El Tigre, El Tigre, Anzoategui 10.00–02.30.
YVMU	3340	89.82	1	R. Carora, Carora.
YVKU	3350	89.55	1	R. Libertador (Provensa), Caracas. 10.30–03.30.
YVMJ	3370	89.02	0.5	La Voz de la Fe, Maracaibo.
YVQO	3380	88.76	7.5	Ondas Porteñas, P. la Cruz.
YVKX	3390	88.50	2	La Voz de la Patria, Caracas 10.30–03.30.
YVKP	3400	88.24	0.7	R. Tropical, Caracas 10.30–03.30.
YVML	3410	87.97	2.5	R. Cabimas, Cabimas 09.30–11.30, 14.30–16.30, 20.30–13.00.

YVOK	3420	87.72	1.5	R. Universidad, Aptdo 74, Merida 10.30–12.30, 15.30–18.30, 22.30–03.30.
YVLI	3430	87.46	1.2	R. Maracay, "Su Amiga del Aire", Maracay 11.00–03.00.
YVMC	3440	87.21	0.7	R. Mara, Maracaibo 10.30–13.30, 15.30–03.30.
YVQI	3450	86.96	1	Emisoras Unidas, Cadena Oriental Venezolana de Radio, Barcelona, Anzoategui, 11.30-03.30
YV4RP	3460	86.71	1	R. Valencia, La Cadena de las Americas, Valencia.
YVLE	3480	86.21	0.5	R. Puerto Cabello, Urbanizacion "Valle Seco, Apt. 4, P. Cabello 22.00–02.30.
YVRA	3490	85.96	1	R. Monagas, Maturin. *Verification* by QSL-card.
YVLG	3520	85.16	0.2	R. Girardot, Maracay. As YVKP.
YVOC	3550	84.51	1	Ecos del Torbes, Aptdo 152, San Christobal 11.30–02.30.
YVMA	4750	63.19	5	Ecos del Zulia, La decana de las emisoras de Occidente, Maracaibo 10.30–13.30, 15.30–18.30, 20.30–03.30.
YVMW	4770	62.89	1	Ondas del Caribe, Punto Fijo. As YVMM.
YVLA	4780	62.76	1	La Voz de Carabobo, Valencia, 11.30–03.00. *Verification by* letter.
YVQC	4790	62.63	1	Ecos del Orinoco, Circuito Radiofonico del Sur Ciudad Bolivar 22.30–02.30.
YVMF	4800	62.50	5	Ondas del Lago, Aptdo 261, Maracaibo 11.30–04.30.
YVMG	4810	62.37	1	R. Popular, Radiolandia, Maracaibo 11.00–03.30.
YVNB	4820	62.24	1	Ondas de las Médanos, Coro 11.30–02.30.
YVOA	4830	62.11	5	La Voz del Tachira del Circuito Coraven, San Christobal 10.30–03.00. *Verification* by QSL-card.
YVOI	4840	61.98	1.5	R. Valera, Valera, Estado Trujillo 15.45–17.30, 21.30–02.30.
YVMS	4850	61.86	1	R. Universo, Apt. 77, Barquisimeto 15.30–18.30, 21.30–02.30.
YVPA	4860	61.73		R. Yaracay, San Felipe.
YVKF	4880	61.48	7.5	Ondas Populares, Corporacion Radiofonica Venezolana, Caracas 10.30–04.30. *Verification* by QSL-card.
YVKD	4890	61.35	10	Radiodifusora Venezuela, Provensa, Caracas 10.30–04.30. *Verification* by QSL-card.
YVQE	4900	61.22	1	R. Bolivar, Circuito Radiofonico del Sur, Ciudad Bolivar 15.30–02.30.
YVMM	4910	61.10	1	R. Coro, Coro 11.00–18.30, 20.30–03.30. *Verification* by QSL-card.
YVKR	4920	60.99	5	R. Caracas, Corporacion Radiofonica Venezolana, Caracas 10.30–04.40. *Verification* by QSL-card.
YVMQ	4940	60.73	4	R. Barquisimeto, Barquisimeto 11.30–03.30. *Verification* by letter.
YVQA	4960	60.48	1	R. Sucre, Cadena Oriental Venezolana de Radio, Cumana 11.30–03.00.
YVLK	4970	60.36	1.8	R. Rumbos, Caracas 10.30–03.30.
YVMO	4990	60.12	2	R. Occidental, Barquisimeto.
YVKM	5030	59.67	7.5	R. Continente, Apt. 866, Caracas 10.30–03.50. *Verification* by QSL-card.
YVKD	5050	59.41	5	R. Cultura, La Emisora de los Exitos, Caracas 10.30–04.30. *Verification* by QSL-card.
YVKO	6170	48.62	2	Radiodifusora Nacional, Caracas 15.25–19.30, 21.25–03.30. *News:* In Spanish 16.45, 21.30, 23.30. In *French* Tues. 02.30. In *English* Fri. 01.00. *Verification* by QSL-card.
YVKF	9510	31.55	4	as YVMQ

Medium Waves:

	kc/s	m	kW	s.w.		kc/s	m	kW	s.w.
YVKL	590	508	3	YVKM	YVLL	1020	293		YVLK
YVKA	630	477	5	YVKO	YVME	1120	267		YVME
YVLH	660	455		YVLG	YVQB	1120	267		YVQA
YVLB	690	433	1	YVLA	YVMN	1210	248	5	YVMN
YVQF	720	417		YVQE	YVMD	1150	261		YVMC
YVKY	710	422	1	YVKX	YVNA	1150	261		YVNB
YVKS	750	400	3	YVKR	YVKQ	1160	258		YVKP
YVOD	780	384		YVOC	YVMK	1180	254		YVML
YVKC	790	379		YVKB	YVMH	1250	240		YVMG
YV4RE	850	353		YV4RP	YVMP	1270	236	1	YVMO
YVKT	880	341		YVKU	YVLF	1290	233		YVLE
YVLJ	930	323		YVLI	YVMB	1300	230		YVMA
YVKG	960	313	5	YVKF	YVMI	1400	214		YVMJ
YVOB	980	306	3	YVOA	YVQD	1400	214		YVQC
YVQN	1030	292		YVQO	YVOL	1450	207		YVOJ
YVQJ	1080	278		YVQI	YVRB	1420	211		YVRA
YVKE	1100	273		YVKD	YVMR	1490	202	3	YVMQ
YVQM	1010	297		YVQL					

RADIO CONTINENTE. *Cable:* Continente. **Leading Personalities:** President Mr. Caleb W. White jr., Director General Mr. J. Francisco Rodriguez.

Stations: YVKM 5030 kc/s 59,67 m 7.5 kW. 590 kc/s 509 m 1 kW. Under construction YVKL 20 kW.

Daily Programmes: *News* 10.30–11.00. "*El Bachiller y Bartolo*": Mo.–Fri. 21.30–23.45. "*La Bodega de la Esquina*": Tues.–Sat. 02.35–02.50. These two programmes are considered to be the best programmes in Venezuela. *Concert:* Thurs. 01.05–02.05. *Venezuelean Music:* Wedn. Fri. 01.05–02.05 and Sat. 02.30. "*Lo Que Pasa en el Mundo*": 22.55–23.05. "*Revista Internacional*": Tues.–Sat. 01.05–01.20. *Venezuelean Music performed by* "*Orguestra Criolla*": Sun. 00.30–01.00.

Announcement: "Cubriendo cada metro cuadrado del territorio nacional, trasmite Radio Continente. La Primera en el Cuadrante la Primera en Calidad, 590 kc/s para su Onda Larga, y 5030 kc/s para su Onda Corta".

Interval-Signal: Venezuelean Music.
Verification by letter.

STANDARD FREQUENCY STATIONS
RADIO STATIONS WWV and WWVH

Addresses: 1. Radio Station WWV, National Bureau of Standards, Washington 25 D.C. 2. Radio Station WWVH, Puunene, Maui, Hawaii.

Stations: *WWV.* broadcast night and day standard frequency, time signals, time announcements, in voice and code. Radio propagation disturbance warnings at $19^1/_2$ and $49^1/_2$ min. after the hour on 2500 (0.7kW), 5000(8kW). 10000 (9 kW), 15000 (9 kW), 20000 (8.5 kW), 25000 (0.1 kW), 30000 (0.1 kW),* 35000 (0.1 kW).* – *WWVH.* broadcasts standard frequency, time signals, time announcements in code on 5000 (2 kW), 10000 (2 kW), 15000 (2 kW); continous exc. for interruptions of four minutes after the hour and half hour and off. 34 minutes at 19.00. During week incl. third Tuesday of each month broadcast interrupted from 19.00 to 22.00 as follows: 5000 kc/s on Tuesday, 10000 kc/s on Wednesday, 15000 on Thursday. *to be discontinued Jan. 1 1953.

Interval Signal: 600 cycle tone first four minutes, one minute announcements, 440-cycle tone next four minutes, one minute announcements; repeat every ten minutes.

Message to Listeners: WWV answers reports by QSL-card or letter. WWVH answers by letter.

In the interest of World Radio and a better understanding between all nations and peoples of the world we wish to get into touch with interested listeners in all countries who will act as correspondents for "The World Radio Handbook" and in that capacity work for the spreading of knowledge about it. Write to "World Radio Handbook", Lindorffalle 1, Hellerup, Denmark, for further particulars.

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LONG- AND MEDIUM WAVE STATIONS

EUROPE — NORTH AFRICA — NEAR EAST

For medium waves of the other countries see the individual countries.

kc/s	Metres	kW	Stations
150	2000.0	0.5	Angmagssalik – Greenland
		0.5	Godhavn – Greenland
154	1948.0	10	Kovno – U.S.S.R.
155	1935.0	10	Tromsö – Norway
155	1935.0	150	Romania (Brasov) – Rumania
		100	Moscow – U.S.S.R.
164	1829.0	250	Allouis (Paris Inter) – France
173	1734.0	500	Moscow I – U.S.S.R.
182	1648.0	100	Reykjavik – Iceland
		10	Luleå – Sweden
		120	R. Ankara TAR. – Turkey
185	1620.0	100	Berlin II (U.S.S.R.) – Germany
191	1570.7	150	Motala – Sweden
200	1500.0	100	Moscow I – U.S.S.R.
		400	Droitwich – Gt. Britain
209	1435.0	150	Kiev I (Ukraine) – U.S.S.R.
218	1376.0		Baku – U.S.S.R.
		100	Oslo – Norway
227	1321.6	200	Warsaw I – Poland
236	1271.0	150	Luxembourg I – Luxenbourg
		100	Leningrad I – U.S.S.R.
245	1224.0	60	Kalundborg I – Denmark
			Tbilissi – U.S.S.R.
254	1181.0	150	Lathi – Finland
		100	Tashkent – U.S.S.R.
263	1141.0	100	Krasnojarsk I – U.S.S.R.
	1141.0	150	Moscow II – U.S.S.R.
272	1102.9	10	Czechoslovakia – Czechoslovakia
281	1068.0	100	Minsk I – U.S.S.R.
385	779.0	100	Kharkov II (Ukraine – U.S.S.R.
420	714.3	10	Ostersund – Sweden
433	693.0	10	Oulu – Finland
518	578	0.2	Innsbruck II – Austria (Fr. Z.)
519	578.0	0.2	Graz II – Austria (Br. Z.)
520	577	1	Joensuu – Finland
		1	Hamar – Norway
		5	Nurnberg III (B.R.) – Germany (Am. Z.)
		0.2	Beyruth (B.R.) – Germany (Am. Z.)
529	567.1	150	Beromünster – Switzerland
539	556.5	135	Budapest I (Kossuth) – Hungary
548	547.4	100	Munich (AFN) – Germany (Am. Z.)
		150	Moscow II – U.S.S.R.
		150	Odessa – U.S.S.R.
557	539.0	100	Helsinki I – Finland
		50	Timisoara I – Rumania
		50	Monte Ceneri – Switzerland
565	531.0	0.25	Klagenfurt (BFN) – Austria (Br. Z.)
		1	Graz (BFN) – Austria
566	530.0	0.25	Schönbrunn – Austria (Br. Z.)
		100	Athlone – Eire
		5	Berlin(NWDR) – Germany (Br. Z.)
		7	Caltanisetta – Italy
575	521.7	20	Potsdam – Germany (U.S.S.R. Z.)
	522.0	100	Mühlacker (SDR) – Germany (Am. Z.)
		5	Panamerican – Tangier
	521.7	50	Tel-Aviv – Isreal
	521.7	100	Riga – U.S.S.R.
584	513.8	35	Vienna I (RAVAG)) – Austria (U.S.S.R. Z.)
		1	Paris Grenelle (Paris Inter) – France
593	505.8	100	Frankfurt (HR) – Germany (Am. Z.)
		20	Meissner (H.R.) – Germany (Am. Z.)
		60	Sofia II – Bulgaria
		150	Sundsvall – Sweden
		18	Madrid EAJ7 – Spain
602	498.4	100	Lyon (Parisienne) – France
		2	Damascus – Syria
611	491.0	1	Berlin (AFN) – Germany (Am. Z.)
		5	Eidar – Iceland
		20	Rabat I – Morocco
		100	Frunze – U.S.S.R.
		100	Petrozavodsk, Finno Karelia – U.S.S.R.
		20	Krasnodar – U.S.S.R.
		20	Sarajevo – Yugoslavia
620	483.9	150	Brussels National – Belgium
		20	Cairo I – Egypt
		20	Gorki – U.S.S.R.
		20	Barcelona – Spain
629	477.0	25	Innsbruck – Austria (Fr. Z.)
		12	Dornbirn – Austria (Fr. Z.)
		20	Tunis II – Tunisia
		100	Vigra – Norway
633	473.9	1	Godthaab – Greenland
638	470.0	5	Sevilla R.N.E. – Spain
		120	Prague Nat. Netw. – Czechoslovakia
647	464.0	150	Daventry – Gt. Britain
		2	Edinburgh – Gt. Britain
		2	Glasgow – Gt. Britain
		2	Newcastle – Gt. Britain
		2	Redmoss – Gt. Britain
		100	Kharkov I – U.S.S.R.
652	460	10	Tel-Aviv – Isreal
656	457.3	80	Naples I – Italy
		100	Firenze I – Italy
		35	Turin I – Italy
		10	Venice I – Italy
		20	Bolzano I – Italy
665	451.2	10	Bayruth (AFN) – Germany (Am. Z.)
		15	Lisbon I – Portugal
		0.5	R. Universidade – Portugal
		100	Vilna (Lithuania) – U.S.S.R.
		50	Damascus – Syria
		15	Athens II NBI – Greece
674	445.1	20	R. Kabul – Afghanistan
		1	Salzburg BDN – Austria
		100	Rennes Parisienne – France
		10	Bodö – Norway
		100	Simferopol – U.S.S.R.
		100	Ouchgorod – U.S.S.R.
		50	Rostov – U.S.S.R.
677	443.0	20	R. Hashemite (Jerusalem) – Transjordan
683	439.2	40	Hof (RIAS) – Germany (Am. Z.)
		150	Belgrade I – Yugoslavia
		1	R. Africa – Tangier
692	434	150	Moorside Edge Northern – Gt. Britain
		0.25	Whitehaven Northern – Gt. Britain
			Moscow II – U.S.S.R.
701	428	5	Aachen (NWDR) – Germany (Br. Z)
		2	Herford (NWDR) – Germany (Br. Z)
		2	Osterloog (NWDR) – Germany (Br. Z)
		1	Fez – Morocco (French)
		20	Finmark – Norway
		20	La Coruna – Spain
704	426.1	150	R. Istanbul (TAW) – Turkey
710	422.0	100	Marseille National – France
		150	Stalino – U.S.S.R.
		20	Tatru (Estonia) – U.S.S.R.
719	417.2	135	R. Free Europe Munich – Germany (Am. Z)
		50	Lisbon II – Portugal
		0.2	Malmberget – Sweden
		20	Aleppo – Syria
725	413.8	3	Djeddah – Saudi Arabia
728	412.0	15	Graz I – Austria (Br. Z)
		20	Berlin I – Germany (U.S.S.R. Z)
		50	Athens I 1NBI – Greece
731	410.0	1	Assiut – Egypt
737	407.1	10	Gliwice (Katowice) – Poland
		120	Madrid-Arganda – Spain
		5	Madrid-Local – Spain
		20	Jerusalem – Israel
746	402.0	120	Hilversum I – Holland
755	397.4	100	Vienna (RWR) – Austria
		20	Kuopio – Finland
		2	Braunschweig (NWDR) – Germany Br. Z)
		1.5	Flensborg (NWDR) – Germany (Br. Z)
		2	Siegen (NWDR) – Germany (Br. Z)
		2	Lingen (NWDR) – Germany (Br. Z)
		10	Porto – Portugal
		50	Timisoara II – Rumania
764	392.6	150	Sottens – Switzerland
		0.5	R. Baghdad – Iraq
767	391.1	0.5	R. Baghdad – Iraq
773	388.0	5	Sevilla EAJ5 – Spain
		55	Stockholm – Sweden
		0.5	Chur – Switzerland
		100	Linz RWR – Austria
		2	R. Vaticano – Vatican State
782	383.6	300	Berlin I – Germany (U.S.S.R. Z)
		100	Kiev II – U.S.S.R.
791	379.2	100	Limoges Parisienne – France
		50	Salonika (VOA) – Greece
800	375.0	100	Munich (BR) – Germany (Am. Z)
		100	Leningrad II – U.S.S.R.
		20	Berlin I – Germany (U.S.S.R. Z.)
809	371.0	100	Scottish, Burghead – Gt. Britain
		100	Scottish, Westerglen – Gt. Britain
		5	Scottish, Redmos – Gt. Britain

kc/s	Metres	kW	Stations
		20	Skopje – Yugoslavia
		0.8	Ajdovscina – Yugoslavia
		10	Barcelona EAJ1 – Spain
818	366.7	50	Warsaw National 1 – Poland
822	364	60	R. Andorra – Andorra
827	362.0	100	Sofia I – Bulgaria
		18	Freiburg (SWF) – Germany (Fr. Z)
		1.5	Kaiserslautern (SWF) – Germany (Fr. Z)
		1.5	Baden-Baden (SWF) – Germany (Fr. Z)
			3 low power st. (SWF) – Germany
830	361	0.5	Huelva – Spain
836	358.9	20	Nancy (Parisienne) – France
		4	Beirut – Lebanon
		7	Klagenfurt 1 – Austria (Br. Z)
845	355.0	150	Roma II – Italy
850	353.0	3.5	Madrid EAJ2 – Spain
854	351.0	0.35	Fulda (AFN) – Germany (Am. Z)
		150	Bucarest I – Rumania
863	347.6	100	Paris I (National) – France
868	345.0	0.8	Vienna (BFN) – Austria (Br. Z)
872	344.0	150	Frankfurt (AFN) – Germany (Am. Z)
		30	Zaragoza EAJ101 – Spain
		150	Moscow III – U.S.S.R.
881	341.0	1	Linz BDN – Austria
		100	Welsh, Washford – Gt. Britain
		8	Welsh, Penmon – Gt. Britain
		0.25	Welsh, Wrexham – Gt. Britain
		20	Titograd – Yugoslavia
890	337.1	50	Algiers II – Algeria
		1	Zell am See BDN – Austria
		1	Bad Mergentheim (SDR) – Germany (Am. Z)
		20	Bergen I – Norway
		20	Kristiansand – Norway
		20	Trøndelag – Norway
		20	Dniepropetrovsk – U.S.S.R.
896	335	20	Tehran EQA – Iran
899	333.7	150	Milano I – Italy
904	331.9	5	R. Dersa Tetuan – Sp. Morocco
908	330.0	140	London, Brookmans Park – Gt. Britain
		100	Moscow I – U.S.S.R.
910	329.7	2	Berlin II – Germany (U.S.S.R. Z)
917	327.2	10	Madrid – Spain
		135	Ljubljana I – Yugoslavia
		1.5	Nis – Yugoslavia
926	323.9	150	Brussels National – Belgium
935	321.0	100	Lvov – U.S.S.R.
944	317.8	100	Toulouse (Parisienne) – France
		20	Voronezh – U.S.S.R.
953	314.8	20	R. Africa Maghreb – Tangier
		100	Prague National Netw. – Czechoslovakia
962	312.0	40	Turku I – Finland
		0.4	Hof (BR) – Germany (Am. Z)
		5	Romainville – France
		100	Tunis I – Tunisia
971	309.0	50	Langenberg (NWDR) – Germany (Br. Z)
		50	Hamburg (NWDR) – Germany (Br. Z)
		5	Göttingen (NWDR) – Germany (Br. Z)
		20	Smolensk – U.S.S.R.
980	306.1	50	Algiers I – Algeria
		150	Gothenburg – Sweden
		2.5	Trieste II – Trieste
989	303.2	100	Berlin (RIAS) – Germany (Am. Z)
		10	Ylivieska – Finland
998	300.6	6	Malaga EAJ9 – Spain
		8	Heidelberg (SDR) – Germany (Am. Z)
		100	Kishinev – U.S.S.R.
1000	300.0	1	Salonika (FBS) – Greece
1007	298.0	120	Hilversum II – Holland
1016	295.3	70	Rheinsender (SWF) – Germany (Fr. Z)
		2	Berlin II – Germany (U.S.S.R. Z)
1025	292.7	100	Graz-Dobl – Austria (Br. Z)
		1.5	S. Sebastian EAJ8 – Spain
1034	290.1	1	Vienna (BDN) – Austria
			4 low power st. (AFN) – Germany
		8	Milano II – Italy
		1	Venice II – Italy
		2	Genoa II – Italy
		0.5	Napoli II – Italy
		20	Parede – Portugal
		100	Tallinn (Estonia) – U.S.S.R.
1043	287.6	100	Berlin III – Germany (U.S.S.R. Z)
		2	Salonika (NBI) – Greece
		20	Rabat II – Morocco
1052	285.0	120	West, Start Point – Gt. Britain
		0.25	West, Fremington N. Devon – Gt. Britain
1055	285	25	Harbin – U.S.S.R.
		5	Bucarest II – Rumania
1061	283.0	60	Kalundborg II – Denmark
		5	Cagliari 1 – Italy
1070	280	100	Paris Parisienne – France
		20	Marseille Parisienne – France
		20	Krasnodar – U.S.S.R.
1075	279.0	0.25	Toledo – Spain
1079	278.0	50	Wroclaw (Breslau) – Poland
		0.25	R. International – Tangier
1088	275.7	0.2	Korça – Albania
		150	Midland Droitwich – Gt. Britain
		7.5	Midland Norwich – Gt. Britain
1097	273.5	150	Bratislava – Czechoslovakia
1106	271.2	100	Stuttgart (AFN) – Germany (Am. Z)
		100	Moghilev – U.S.S.R.
1115	269.1	40	Bari II – Italy
		50	Bologna II – Italy
		10	Pisa – Italy
			8 low power st. – Norway
1122	267.4	0.5	Alexandria – Egypt
1124	266.9	1	Barcelona EAJ15 – Spain
		10	Brussels Regional – Belgium
		5	Stalin (Varna) – Bulgaria
		20	Viborg – U.S.S.R.
		20	Leningrad III – U.S.S.R.
1133	264.8	2.5	Bilbao EAJ28 – Spain
		135	Zagreb – Yugoslavia
1142	262.7	20	Constantine I – Algeria
		0.5	Oran I – Algeria
		0.35	4 syncr. low power st (AFN) – Germany
		10	Trieste I – Trieste
		20	Kaliningrad – U.S.S.R.
		1	Bremerhaven (AFN) – Germany
1151	261.0	100	Lisnagarvey, N. Ireland – Gt. Britain
		100	Stagshaw, N. Ireland – Gt. Britain
		0.25	Londonderry, N. Ireland – Gt. Britain
		0.25	Scarborough, N. Ireland – Gt. Britain
		20	Cluj – Rumania
1160	258.6	150	Strasbourg (Parisienne) – France
1169	257.0	1	Ulm (SDR) – Germany (Am. Z)
		5	R. Renascenca, Porto – Portugal
1175	254	1	Pan American Radio – Tangier
1178	254.7	100	Hörby – Sweden
		6	R. Trieste – Trieste (Yugosl. Z)
1187	252.7	135	Budapest II (Petöfi) – Hungary
1196	251.0	150	Munich (VOA) – Germany (Am. Z)
		20	Berlin II – Germany (U.S.S.R. Z)
1200	250.0	0.1	Qyteti (Stalin) – Albania
1205	249.0	100	Bordeaux I (National) – France
		6	Poznan – Poland
		5	Haifa – Israel
1214	247.0	20	Hamburg (BFN) – Germany (Br. Z)
		20	Hannover (BFN) – Germany (Br. Z)
		20	Langenberg (BFN) – Germany (Br. Z)
		10	Herford (BFN) – Germany (Br. Z)
		10	Berlin (BFN) – Germany (Br. Z)
		60	Brookmans Park – Gt. Britain
		58	Moorside Edge – Gt. Britain
		50	Westerglen – Gt. Britain
		20	Burghead – Gt. Britain
		2	Newcastle – Gt. Britain
		10	Lisnagarvey – Gt. Britain
		2	Redruth – Gt. Britain
		2	Redmoss – Gt. Britain
			2 low power st. – Gt. Britain
		2	Ponta Delgada, Atlantico – Azores
		100	Simforopol – U.S.S.R.
		20	Kursk – U.S.S.R.
1223	245.3	20	Stara Zagora – Bulgaria
		0.3	6 syncr. low power st. (AFN) – Germany (A.Z)
		5	Barcelona RNE – Spain
		100	Falun – Sweden
		0.5	Hälsingborg – Sweden
		0.1	Tulln BDN – Austria
1232	243.5	100	Kosice I – Czechoslovakia
		50	R. International – Tangier
1241	242.0	10	Vaasa – Finland
		20	Quimper (National) – France
		20	Pau (National) – France
		1	Nice (National) – France
		20	Lille National – France
		20	Lyon National – France
		20	Nancy National – France
		20	Rennes National – France
		150	Odessa – U.S.S.R.
		20	Tiraspol – U.S.S.R.
1250	240.0	10	Salzburg (RWR) – Austria
		1	Dublin – Eire

kc/s	Metres	kW	Stations
		1	Cork – Eire
		10	Nyiregyhaza – Hungary
1258	238.0	5	Valencia EAJ3 – Spain
1259	238.3	50	Szezecin – Poland
1268	236.6	20	Yugoslavia – Yugoslavia
1277	234.9	100	Strasbourg National – France
1286	233.3	100	Czechoslovakia – Czecholsovakia
		2	R. Renascenca (Lisbon) – Portugal
1295	232.0	150	Ottringham – Gt. Britain
1300	230.7	1	Athens (FBS) – Greece
			2 low power st. – Spain
1304	230.0	0.25	Oran II – Algeria
		20	Constantine II – Algeria
		1	Trieste (AFRS) – Trieste (Br. Am. Z)
		0.2	Klagenfurt II – Austria (Br. Z)
		2	Bremerhaven – Germany (Am. Z)
		0.2	4XB41 Galei Zahal (FBS) – Israel
		1	Gdansk – Poland
1310	228.9	0.2	Klagenfurt II – Austria (Br. Z)
1313	228.5	100	Stavanger – Norway
1322	227.0	0.5	R. Ribatejo – Portugal
		100	Ouchgorod – U.S.S.R.
		100	Leipzig – Germany (U.S.S.R. Z.)
1331	225.4	25	Bologna I – Italy
		25	Pescara I – Italy
		10	Genoa I – Italy
		80	Rome I – Italy
		5	Messina – Italy
		0.25	Palermo I – Italy
		20	Bari I – Italy
		0.25	Catania I – Italy
1336	224.6	5	Tel Aviv – Israel
1340	224.0	150	Crowborough – Gt. Britain
1349	222.6	10	Cairo II – Egypt
		20	Clermont National – France
		20	Dijon National – France
		20	Grenoble National – France
		10	Nantes National – France
		20	Limoges (National) – France
		20	Toulouse (National) – France
		20	Kuldiga – U.S.S.R.
		20	Madona – U.S.S.R.
1358	220.9	50	Tirana – Albania
		20	Bremen – Germany (Am. Z)
		1	Faro – Portugal
1367	219.4	0.35	St. Johann (BDN) – Austria
		1	Bonn (BFN) – Germany (Br. Z)
		5	Venice III – Italy
		5	Milano III – Italy
		5	Roma III – Italy
		5	Torino III – Italy
			8 lower st. – Italy
		24	Torun – Poland
		1	Coimbra – Portugal
			3 low power st. – Switzerland
1370	218	0.2	Cuenca – Spain
1376	218	100	Lille Parisienne – France
1385	216.5	2	Valencia EAJ3 – Spain
		1	Trieste (FBS) – Trieste (Br.Am. Z)
		150	Kowno – U.S.S.R.
1390	215.8	5	Tel Aviv – Israel
			8 low power st. – Sweden
		10	Nürnberg (AFN) – Germany
		150	Courier (VOA) – Rhodes
1403	213.3	20	Nice (Parisienne) – France
		20	Bordeaux (Parisienne) – France
		20	Louvetot (Parisienne) – France
		10	Montpellier Parisienne – France
		20	Quimper Parisienne – France
		20	Tartu – U.S.S.R.
1412	212.4	1.5	Nis – Yugoslavia
		5	Maribor – Yugoslavia
		2	Pristina – Yugoslavia
		2	Novi Sad – Yugoslavia
			2 low power st. Yugoslavia
		0.2	Reus EAJ11 – Spain
1421	211.1	5	Algiers III – Algeria
		20	Saarbrücken – Germany
1428	210.0	0.25	Oviedo (Asturias) – Spain
1430	209.8	0.2	Gjinokastra – Albania
		70	Skive – Denmark
		15	Herstedvester – Denmark
1435	209.0	1	R. Huelva – Spain
1439	208.4	0.2	Mallorca EAJ13 – Spain
		150	Luxembourg II – Luxembourg
1447	207.3	9	Castilla EAJ27 – Spain
			3 low power st. – Spain
1448	207.2	20	Turin II – Italy
		10	Palermo II – Italy
		5	Sanremo – Italy
		5	Napoli II – Italy
		5	Ancona II – Italy
		5	Firenze II – Italy
		5	Catania II – Italy
		5	Catania – Italy
			3 low poder st. – Sweden
1457	206.0	10	Bartley West – Gt. Britain
		20	Clevedon West – Gt. Britain
			3 low power st. – Gt. Britain
		20	Craiova – Rumania
		0.05	Schruns – Austria (Fr. Z)
1466	204.6	120	Monte Carlo – Monaco
			6 low power st. – Norway
1475	203.4	2	Vienna II (RAVAG) – Austria (U.S.S.R. Z)
1484	202.2	0.5	Czechoslovakia – Czechoslovakia
		0.5	Nat. Netw. Prague – Czechoslovakia
		2	Copenhagen I – Denmark
		0.25	Tønder – Denmark
		0.25	Aalborg – Denmark
		2	Helsinki II – Finland
			5 low power st. – Finland
			6 low power st. – France
		2	Kiel (NWDR) – Germany (Br. Z)
		2	Berlin III– Germany (U.S.S.R. Z)
		0.4/2	8 syncr. low power st. (BR) – Germany (A.Z.)
		0.25	Volos (NBI) – Greece
			3 low power st. – Gt. Britain
			5 low power st. – Italy
		1.5	Rijeka – Yugoslavia
		0.25	Trieste 2 – Trieste F.T.T.
		1	R. Club da Madeira Funchal – Madeira
		1.5	Belgrade II – Yugoslavia
			3 low power st. – Yugoslavia
		0.25	Trieste 2 – Trieste
		2	Lodz – Poland
		0.02	Mosjøen – Norway
		0.25	Rjukan – Norway
		5	R. Vaticano – Vatican State
		0.75	Fort National – Algeria
1492	201.1	0.5	Tenerife – Canary Islands
1493	201.0	0.2	R. Alcira EAJ54 – Spain
		2	Lille (Paris Inter) – France
		1	Marseille (Paris Inter) – France
		0.25	Toulouse (Paris Inter) – France
1500	200	0.2	4 low power st. – Spain
		0.35	3 syncr. low power st. (AFN) - Germany(Am.Z)
		7	R. Täbriz – Iran
1502	199.7	10	Cracow – Poland
1511	198.5	20	Brussels Regional – Belgium
		0.25	Patras (NBI) – Greece
		0.05	Chania – Greece
1520	197.4	20/5	Nat. Netw. – Prague, Czechoslovakia
1529	196.0	1	Funchal – Madeira
			4 low power st. – Sweden
		100	R. Vaticano – Vatican State
1538	195.1	20	Bad Dürrheim (SWF) – Germany (Fr. Z)
		20	Ravensburg (SWF) – Germany (Fr. Z)
		5	Reutlingen (SWF) – Germany (Fr. Z)
1546	194.0	2/0.25	15 syncr. lowpower stations – Gt. Britain
1554	193.0	60	Nice (Paris Inter) – France
1562	192.1	2.5	Malmö – Sweden
		2/0.05	7 low power st. – Sweden
1570	191.1	2	Berlin III – Germany (U.S.S.R. Z)
		0.2	Cuenca – Spain
1578	190.1	0.04	25 low power st. – Italy
		10	Frederikstad – Norway
1586	189.1	40	Oldenburg (NWDR) – Germany (Br. Z)
		20	Hannover (NWDR) – Germany (Br. Z)
		5	Osnabrück – Germany (Br. Z)
		5	Bonn (NWDR) – Germany (Br. Z)
		1.5	Münster (NWDR) – Germany (Br. Z)
1594	188.2	2	Esbjerg – Denmark
		0.2	Karjaa – Finland
		0.3	Kassel (HR) – Germany (Am. Z)
		2.5	Hengelo – Holland
		2.5	Hulzberg – Holland
		2.5	Hoogezand – Holland
		0.5	5 low power st. – Portugal
		0.05	Toulon (Paris Inter) – France
		2	Nimes (Paris Inter) – France
		0.2	Ljubljana II – Yugoslavia
1602	187.0	40/20	Nürnberg I, II (BR) – Germany (Am. Z)
		20	Landau/Isar (BR) – Germany (Am. Z)

TELEVISION STATIONS OF THE WORLD

The scedules change rather frequently and in many cases differ from day to day. 1953 will be a period of considerable development in television all over the world.

EUROPE:

	Vision kc/s	kW	Sound kc/s	kW	Lines	
DENMARK						
Copenhagen	62.25	0.4	67.75	0.2	625	Tues, Thurs, Sat. 19.00–20.00.
FRANCE						
Paris I	46	25	42	5	441	1)
Paris II	185.25	10	174.1	2.5	819	1)
Lille	185.25	10	171.1	2.5	819	1)
Strasbourg	164.00	20	175.15	5	819	2)
Lyon	212.85	20	201.70	5	819	2)
Marseille	186.55	20	175.4	5	819	2)

1) *Daily Programmes* for Paris I, II and Lille: Sun.: 09.30–11.45, 13.30–15.30, 17.30–18.00, 19.30–21.35. W.: 12.00–12.35, 17.30–18.00. (Wedn., Sat. also 10.00–10.30, Tues. also 16.00–16.30, Thurs., Sat. also 16.00–17.30, Sat. also every fortnight 18.00–19.00).
Fixed Programmes: Journal télévisé: 12.20(Sun. 11.20), 17.30, 19.30, Variety: 12.00(Sun. 20.00). Childrens Hour: Thurs. 16.00.
2) To start service in 1953.

GERMANY Nordwestdeutscher Rundfunk						
Hamburg	175.25	10	180.75	2	625	Experimental.
Langeberg	175.25	10	180.75	2	–	Regular experimental broadcast for 4 hours daily.
Hannover	196.25	1	201.75	0.25	–	Regular experimental broadcast for 4 hours daily.
Köln	not yet fixed	1	not yet fixed	0.2	–	Regular experimental broadcast for 4 hours daily.
Berlin	196.25	1	201.75	0.25	625	Regular experimental broadcast for 4 hours daily.
GREAT BRITAIN						
Alexandra Palace	45	17	41.5	3	405	Sun. 17.00–18.00, 20.00–22.25. Mon.–Fri. 15.15–16.15, 17.00–18.00, 20.00–22.00. Sat. 11.00–12,00, 15.15–16.40, 17.00–18.00, 19.15–22.40.
Sutton Coldfield	61.75	50	58.25	12	–	Sun. 17.00–18.00, 20.00–22.25. Mon.–Fri. 15.15–16.15, 17.00–18.00, 20.00–22.00. Sat. 11.00–12,00, 15.15–16.40, 17.00–18.00, 19.15–22.40.
Holme Moss	51.75	50	48.25	12	–	Sun. 17.00–18.00, 20.00–22.25. Mon.–Fri. 15.15–16.15, 17.00–18.00, 20.00–22.00. Sat. 11.00–12,00, 15.15–16.40, 17.00–18.00, 19.15–22.40.
Kirk O'Scotts	56.75	50	53.25	12	–	Sun. 17.00–18.00, 20.00–22.25. Mon.–Fri. 15.15–16.15, 17.00–18.00, 20.00–22.00. Sat. 11.00–12,00, 15.15–16.40, 17.00–18.00, 19.15–22.40.
Wenvoe	66.75	50	63.25	12	–	Sun. 17.00–18.00, 20.00–22.25. Mon.–Fri. 15.15–16.15, 17.00–18.00, 20.00–22.00. Sat. 11.00–12,00, 15.15–16.40, 17.00–18.00, 19.15–22.40.
ITALY						
Torino	82.25	16	87.75	16	625	Experimental
Milano	201.25	24	206.75	12	625	Experimental
NETHERLANDS						
Hilversum	62.25	5	67.75	3.5	625	Tues, Fri. 19.15–20.45. Experiment.
Eindhoven	48.25	2.5	53.75		625	Tues, Fri. 19.15–20.45. Experiment.
SWEDEN						
Stockholm	62.25	0.5	67.75	–	625	Experiment. 2 hours broadcast on Wedn.
Stockholm	175.25	0.5	180.75	–	625	Experiment. 2 hours broadcast on Wedn.
SWITZERLAND						
Zürich-Uetliberg	54		61	5	625	Experiment. to start service in 1953
SOVIET-UNION						
Moscow	49.75	–	56.25	–	625	6 days weekly 20.00–23.00. Testings 2 days weekly.
Leningrad	59.25	–	65.75	–	625	6 days weekly 20.00–23.00. Testings 2 days weekly.
Kiev	77.25	–	83.75	–	625	6 days weekly 20.00–23.00. Testings 2 days weekly.
NEAR EAST: – TURKEY						
Istanbul	62.25	–	67.75	–	625	

EAST: – JAPAN

Tokyo	not yet fixed	10	525	28 hours weekly. To start service April 1953.
Osaka	not yet fixed	5	525	To start service June 1953.
Nagoyu	not yet fixed	5	525	To start service June 1953.

4 stations planned for 1954, 8 stations for 1955, 8 stations for 1956 and 9 stations for 1957.

NORTH AMERICA U.S.A. 200 Television St. are now authorized

10 new television stations granted by Commission this week bring total number of such TV authorizations to 200. Of this number, 92 have been granted since removal of freeze, and 108 were previously in operation. Of post-freeze TV grants, 9 are for noncommercial educational operation.

CENTRAL AMERICA:

	Vision mc/s	Sound mc/s	kW	
CUBA				
Havana	54	60	5	Radio Television El Mundo SA.
– CMUR-TV	66	72	5	Union Radio Television SA.
– CMQ-TV	82	88	5	Circuito CMQ, SA.
–	174	180	5	Cia R. Universal, SA.
–	198	204	5	Television del Caribe, SA.
Matanzas CMCQ-TV	186	192	5	Circuito CMQ, SA.
–	210	216	5	Cadena, Azul de Cuba, SA.
Santa Clara CMNQ-TV	60	66	5	Union R. Television, SA.
Santa Clara	76	82	5	Circuito CMQ, SA.
Santa Clara	180	186	5	Cadena Azul de Cuba, SA.
Camagüey CMJL-TV	82	88	5	Circuito CMQ
C. de Avila Stgo. de Cuba	204	210	5	Cadena Azul de Cuba
BMKN-TV	54	60	5	Circuito CNQ, SA.
Holguin CMKJ-TV	66	72	5	Circuito CMQ, SA.
Stgo. de Cuba	76	82	5	Cadena Oriental de Radio
Holguin	186	192	5	Union Radio Television ,SA.
Stgo. de Cuba	198	204	5	Union Radio Television, SA.
Stgo. de Cuba	210	216	5	Cadena Azul de Cuba, SA.

MEXICO

México, D.F. XHTV 66 mc/s 5 kW 72 mc/s 5 kW
México, D.F. XEWTV Channel 2 50 kW Channel 2 5 kW
Matamoros, Tamps. 154 mc/s 5 kW 180 mc/s 5 kW
Television de Matamoros, SA.

SOUTH AMERICA: – ARGENTINA

Television (colour) planned in Rosario S. Fé, and in Buenos Aires.

VENEZUELA

Caracas	not yet fixed	5 not yet fixed	3 Operated by "Televisa"; to start service in 1953.

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SHORTWAVE STATIONS OF THE WORLD

Exc. U.S.S.R., Pakistan, R. Free Europe.
Metre bands indic. in the country sections.

kc/s	Metres	kW		Stations
2200	136.0	0.2	TGAR	R. Quetzal – Guatemala
2260	132.7	1	YDB	Djakarta – Java
2300	130.0	1	YDG2	Surakarta – Java
2310	129.5	0.3	YDG2	Surakarta – Java
2320	129.2	0.3	YDL2	Padang – Sumatra
2335	128.5	0.3	YDI6	Diember – Java
2338	128.3	100		Moscow – U.S.S.R.
2340	128.2	0.5	ZYV30	Radio Difusora Brasileira – Brazil
2350	127.7	0.3	YDW	Pontianak – Borneo
		7.5		Dacca – Pakistan
2370	126.5	0.3	YDG6	Madiun – Java
2390	125.5	0.1	YDN	Kutaradja – Sumatra
2400	124.0	10		Lahore – Pakistan
2415	124.2	0.15	YDA2	Bandung – Java
2420	124.0	10		Karachi – Pakistan
2430	123.0	1	YDK2	Palembang – Sumatra
2450	122.4	0.3	YDJ3	Jogjakarta – Java
2467	122.0	0.3	YDI3	Surabaya – Java
2480	121.0	0.5		R. Cultura de Araraquara – Brazil
2500	120.0	0.15	YDH	Semarang – Java
		0.7	WWV	R. St. WWV – Washington USA
2510	120.5	1	HLKB	Korean Broadc. System – Korea
2850	105.0	0.25	HCBX5	R. Cuenca – Ecuador
2880	104.2	50	GRC	London – Gt. Britain
3130	95.84	0.3	YSIA	R. Intercontinental – El Salvador
3200	93.75	0.5		Frederikshaab – Greenland
3205	93.66	1		R. Tannanarive – Madagascar
		0.3	YDD	Djakarta – Indonesia
3230	92.88	1	YDS	Menado – Celebes
3240	92.59	1.2	YDI	Surabaya – Java
3250	92.31	10	VUD	Delhi – India
3251	92.28	0.25		Dar-es-Salaam – Tanganyika
3255	92.17		ZYR62	R. Clube de Manila – Brazil
3265	91.87	1	ZYK21	R. Tamandaré – Brazil
3270	91.75	0.3	YDM	Bukittinggi – Sumatra
3275	91.60	1	ZYR31	Bauru Radio Clube – Brazil
		0.4	ZQP	Lusaka – N. Rhodesia
		0.5	VP4RD	R. Trinidad – Trinidad
3290	91.19			Johannesburg – S. Africa
3295	91.04	5		Emissora Continental – Brazil
3310	90.63	1	YVOG	R. Trujillo – Venezuela
3320	90.36	15	ZEAF	Salisbury – S. Rhodesia
		1	YVQV	R. Capurano – Venezuela
	90.24	2	DZB2	Manila FEBC – Philippine
3225	90.24	1	ZYJ21	R. Borborema – Brazil
		7.5		Dacca – Pakistan
3330	90.09	1	YVQL	La Voz del Tigre – Venezuela
3332	90.00	1	YDG	Surakarta – Java
3335	89.96	0.2		Srinagar – India
		10		Lahore – Pakistan
			ZYR59	A Voz do Sertao – Brazil
3340	89.82	1	YVMU	R. Carora – Venezuela
3345	89.68	1	ZYN22	R. Cultura da Bahia – Brazil
3350	89.55	0.3	YDP2	Medan – Sumatra
		1	YVKU	R. Libertador – Venezuela
3356	89.39			Johannesburg – S. Africa
3365	89.15	10	VUD2	Delhi – India
		0.3	YDQ	Makassar – Celebes
3370	89.02	1	YVMJ	La Voz de la Fe – Venezuela
				Johannesburg – S. Africa
3380	88.76	7.5	YCQO	Ondas Portenas – Venezuela
		1	YDO	Bandjermasin – Indonesia
3390	88.50	0.25	OQ2AC	R. College – Belgian Congo
		3	YDA	Bandung – Java
		2	YVKX	La Voz de la Patria – Venezuela
3395	88.34	10		Karachi – Pakistan
		0.25		Port Stanley – Falkland Islands
3400	88.24	0.7	YVKP	R. Tropical – Venezuela
3410	87.98	2.5	YVML	R. Cabimas – Venezuela
3420	87.72	1.5	YVOK	R. Universidad – Venezuela
		7.5	CR7BM	R. Club de Mocambique – Mocam.
3430	87.46	1.2	YVLI	R. Maracay – Venezuela
*3435	87.34	5	VUD3	Delhi – India
3440	87.21	0.7	YVMC	R. Mara – Venezuela
3450	86.60	1	YVQI	Emisoras Unidas – Venezuela
3460	86.71	1	YV4RP	R. Valencia – Venezuela
3460	86.71	10		Lahore – Pakistan
3469	86.46	10		Lahore – Pakistan
3480	86.21	0.5	YVLE	R. Puerto Cabello – Venezuela
3480	85.21	7.5	CR7AB	R. Club de Mocambique – Mocam.
3490	85.96	1	YVRA	R. Monagas – Venezuela
3495	85.84	10	VUD2	Delhi – India
3520	85.16	0.2	YVLG	R. Girardot – Venezuela
3530	84.99	0.5	CR8AB	R. Goa – Goa
3550	84.51	1	YVOC	Ecos del Torbes – Venezuela
3860	80.00	0.5		Cape Town – S. Africa
3915	76.63	50/10		Karachi – Pakistan
		10		Lahore – Pakistan
3930	76.34	25		R. Italiana – Italy
3945	76.05	7.5	YDH2	Semarang – Java
		10	VUD	Delhi – India
		50/10		Karachi – Pakistan
3950	75.95	3		Djeddah – Saudi Arabia
3955	75.85	5/100	HVJ24	Vatican Radio – Vatican State
		50/10		Karachi – Pakistan
		7.5		Dacca – Pakistan
3960	75.75	1	YDL	Padang – Sumatra
		7.5		Karachi – Pakistan
3970	75.57	10		Delhi – India
		5	YDI2	Surabaja – Java
4200	71.50	0.25	HCAD5	La Voz del Tomebamba – Ecuador
4290	69.63	5	COX7	R. Ministerio de Educacion – Cuba
4470	67.12	0.3	HCNE1	R. Nacional Espejo – Ecuador
4580	65.59	0.3	HCFF4	La Voz de Esmeraldas – Ecuador
4655	64.80	1	HCAJ2	R. del Ecuador – Ecuador
4700	63.83	0.25	HCGI2	R. El Telegrafo – Ecuador
4705	63.62	0.25	HCBT6	Voz del Tungurahua – Ecuador
4710	63.69	0.25	HCBK2	R. El Mundo – Ecuador
4730	63.50	0.25	HCAS4	La Voz de los Caras – Ecuador
				60 METRE BAND
4750	63.19	5	YVMA	Ecos del Zulia – Venezuela
		0.2	HCBD1	R. Comercial – Ecuador
*4755	63.10	1	ZYY3	R. Brasil – Brazil
4760	63.03	0.25	HC4FA	La Voz de Manabi – Ecuador
*4768	62.96	3	HJEF	Radiodifusora de Occidente – Col.
4770	62.89	1	YVMW	Ondas del Caribe – Venezuela
		0.25	HCGB5	R. Cordillera – Ecuador
		1	CR6RG	R. Diamang – Angola
4774	62.83	5		Rangoon – Burma
4775	62.83	2.5	4JGB	R. Santander – Colombia
4780	62.75	1	YVLA	Voz de Carabobo – Venezuela
		0.25	HCPM1	R. El Palomar – Ecuador
		0.2	HCOF4	La Voz de Chone – Ecuador
*4783	62.70	2.5	HJAB	Emisoras Unidas – Colombia
4785	62.70	0.5	ZYM8	Radio Ribamar – Brazil
		10		Lahore – Pakistan
4790	62.63	1	YVQC	Ecos del Orinoco – Venezuela
4795	62.57	0.25		Zanzibar Radio – Zanzibar
4797	62.57	0.5	HJFU	La Voz del Comercio – Colombia
4800	62.50			Johannesburg – S. Africa
*		5	YVMF	Ondas del Lago – Venezuela
		1	YSDR	R. Tropical – El Salvador
		0.3	HCHV4	Voz de Jipijapa – Ecuador
4805	62.43	0.5	HJDU	Universidad de Medellin – Col.
*		5	ZYS8	Radio Difusora Amazonas – Brazil
		1	ZYR61	Radiodif. de Taubate – Brazil
4807	62.40	1	CR5SC	Sao Tomé – Sao Tomé
		1		St. Denis – Reunion
		7.5		Dacca – Pakistan
4810	62.37	1	YVMG	R. Popular – Venezuela
*4815	62.31	0.75	HJBB	La Voz de Cucuta – Colombia
4820	62.24	0.2	XEJG	Gobierno del Estado – Mexico
		1	YVNB	Ondas de las Médanos – Venezuela
		1		S. Denis – Reunion
		1	HJED	La Voz del Valle – Columbia
4825	62.18	0.5	ZYE7	R. Educadora de Parnaiba – Brazil
4826	62.16	15	ZQP	Lusaka – N. Rhodesia
4829	62.11	7.5	CR7BV	R. Club de Mozambique – Moz.
4830	62.11	1	CR6RF	R. Clube de Benguela – Angola
		5	YVOA	Voz del Tachira – Venezuela
*4835	62.05	2.5	HJKE	R. Continental – Colombia
4840	61.98	1.5	YVOI	R. Valera – Venezuela
		0.25	HCMI1	R. Gran Colombia – Ecuador
		1	YDU	Den Pasar – Bali
		10	VUB2	Bombay – India
*4845	61.92	1	CSA93	Ponta Delgada – Azores
		0.5	ZYU8	R. Difusora de Teresina – Brazil
*4847	61.92	2.5	HJGF	R. Bucaramanga – Colombia
4850	61.86	1	YVMS	R. Universo – Venezuela
		0.25	HCCV3	Ondas del Zamora – Ecuador
		0.2	HCFV6	Ondas del Cotopaxi – Ecuador
4855	61.79	1	YDK	Palembang – Sumatra
		5	VQ7LO	Nairobi – Kenya
		0.5	HJFV	R. Neiva – Colombia
4860	61.73	0.2		Srinagar – India
		5/10	JKL	Namata – Japan
		1	YVPA	R. Yaracay – Venezuela

* Station varies in frequency.

kc/s	Metres	kW		Stations
4865	61.66	1	YDR	Ambon – Moluccas
*		1	CSA93	Emissora Nacional – Azores
*		1	HJFA	La Voz de la Pereira – Colombia
*		2	PRC5	R. Clube do Para – Brazil
4869	61.61	0.25	CR6RA	R. Club de Angola – Angola
4870	61.60	10	VUD	Delhi – India
*		2.5	HJBG	La Voz del Norte – Colombia
4880	61.48	0,2/10	VUC2/3	Calcutta – India
*		7.5	YVKF	Ondas Populares – Venezuela
4885	61.42	0.3	HCRT6	R. Cultural Religiosa – Ecuador
4890	61.35	0.03	HI3C	La Voz del Papagayo – Dominican
*		10	YVKD	Radiodifusora Venezuela – Venez.
4895	61.28			Johannesburg – S. Africa
		5	PRF6	R. Baré – Brazil
*		2	HJCH	La Voz de la Victor – Colombia
		50		Karachi – Pakistan
4897	61.26	10	VLX4	Perth – Australia
4900	61.23	0.25		Colombo – Ceylon
		0.25	HCIM1	La Voz de Imbabura – Ecuador
		1	YVQE	R. Bolivar – Venezuela
4901	61.23	1	HJAG	Emisora Atlantico – Colombia
		5	ZYZ20	R. Relogio Federal – Brazil
4910	61.10	0.2	HCAR1	Voz de Montufar – Ecuador
*		1	YVMM	R. Coro – Venezuela
		50		Karachi – Pakistan
		5	JKI	Nazaki – Japan
		0.3	YDB2	Djakarta – Java
4915	61.04	0.3	HCLR5	Voz de Alausi – Ecuador
		1.3	ZOY	Accra – Gold Coast
4917	61.01	10	VLM4	Brisbane – Australia
4920	60.99	10	VUM2	Madras – India
*		5	YVKR	R. Caracas – Venezuela
4920	60.99	7.5	CR7BO	R. Club de Mocambique – Moc.
4930	60.90	1	HCRC1	R. Casa de la Cultura – Ecuador
		1	HJAP	R. Colonial – Colombia
		1	YDP	Medan – Sumatra
4935	60.80	5	ZYI21	R. Poti – Brazil
		50		Karachi – Pakistan
4940	60.73	10	VUD2	Delhi – India
		4	YVMQ	R. Barquisimeto – Venezuela
		5	JKM	Kawachi – Japan
4945	60.67			Johannesburg – S. Africa
		1	HJCW	Emisora Suramerica – Colombia
		15	YDA3	Bandung – Java
4950	60.60	5	ZQI	R. Jamaica – Jamaica
		0.2		R. Belize – Br. Honduras
*4955	60.55	1	HJCQ	R. Nacional – Colombia
4960	60.48	10	VUD2	Delhi – India
		1	YVQA	R. Sucre – Venezuela
		0.25	HCHP5	Ondas Ecuatorianas – Ecuador
*4965	60.42	1	HJAE	Emisora Fuentes – Colombia
*4970	60.36	1.8	YVLK	R. Rumbos – Venezuela
4975	60.30	2.5	ZYY9	R. Timbira – Brazil
4980	60.24	0.25	HCJS5	Ondas Azuayas – Ecuador
*		0.07	HI1A	R. Caribe – Dominican Rep.
		0.25	OQ2AC	R. College – Belgian Congo
4985	60.19	0.5	ZYZ5	R. La Voz do Oeste – Brazil
		0.25	DYB2	Bacolod – Philippines
4990	60.12	0.4	HCCD3	Ondas Castellanos – Ecuador
*		2	YVMO	R. Occidental – Venezuela
4995	60.07	1	ZYY2	R. Brazil Central – Brazil
		1	ZYY20	R. Difusora do Guaporé – Brazil
5000	60.00	0.25		Zanzibar – Tanganyika
		8	WWV	R. St. WWV – Washington USA
		2	WWVH	R. Station WWVH – Hawaii
5010	59.88	20		Vladivostock – U.S.S.R.
*5017	59.80	3	PJC2	Juliana Zender – Curaçao
*5020	59.76	1	HJFW	Transmisora Caldas – Colombia
5024	59.71	0.04	CR6RH	R. Clube de Huila – Angola
5025	59.70	0.2	HCBL5	R. Alborado – Ecuador
*5030	59.67	7.5	YVKM	R. Continente – Venezuela
		1	YDM2	Bukittinggi – Sumatra
		0.2	HI8Z	Cadena Nacional de Radio – Dom.
5035	59.58	7.5		Dacca – Pakistan
5040	59.52	0.2	YNMV	R. Continental – Nicaragua
5042	59.48	1	CR6RB	R. Club de Benguela – Angola
5045	59.46	5	ZYP23	R. Quitandinha – Brazil
*5050	59.41	5	YVKD	R. Cultura – Venezuela
		0.25		Dar-es-Salaam – Tanganyika
			HJDW	Voz de Medellin – Colombia
5060	59.30	0.15	YDJ	Jogjakarta – Java Rep. Indonesia
		1	HJKH	Accion Cultural Pop. – Colombia
				Leningrad – U.S.S.R.
		25		Frunze – U.S.S.R.
5080	59.10	0.35		Salzburg BDN – Austria
		10		Grozny – U.S.S.R.

kc/s	Metres	kW		Stations
*5470	55.03	0.35		Bayreuth (AFN) – Germ. Am. Z.
5480	54.06	25		Frunze – U.S.S.R.
5599	53.38	25		Stalinabad – U.S.S.R.
5750	52.18	1	CE8AA	Sociedad Nac. de Agricult. – Chile
*5752	52.11	0.3	PZH5	Avros, Paramaribo – Surinam
5838	51.38	1	CQM4	Bissau – Port. Guinea
*5875	51.06	1	TIGPH	Alma Tica – Costa Rica
		1	HRN	Voz de Honduras – Rep. Honduras
5885	50.94	0.4	CR4AA	Praia – Cape Verde Islands
5886	50.94	15	OAX4Z	R. Nacional – Peru
5890	50.93			Cape Town – S. Africa
5900	50.84	0.25	ZNB	Mafeking – S. Africa
5912	50.74			Moscow 1 – U.S.S.R.
5920	50.70	0.5	OAX4V	R. America – Peru
		1	HRA	Voz de Lempira – Rep. Honduras
5930	50.59	10		Yakutsk – U.S.S.R.
		20		Khabarovsk – U.S.S.R.
*5945	50.45	0.4	4V2S	R. Port au Prince – Haiti
5952	50.45	5	TGNA	R. Cultura – Guatemala
5955	50.37	100		Allouis – France
5959	50.36			Moscow 1 – U.S.S.R.
			HJCF	La Voz de Bogota – Colombia
5960	50.37	10	VUD	Delhi – India
		1	YDO2	Bandjermasin – Borneo
5964	50.03	0.3		Godthaab – Greenland
5965	50.28	0.4	YNWW	R. Sport – Nicaragua
		100		Allouis – France
5968	50 26	5/100	HVJ	Vatican R. – Vatican
5970	50.25	50	CKNA	Sackville – Canada
		100	ORU	Wavre – Belgium
		7.5	HI4T	La Voz Dominicana – Dom. Rep.
		0.25	TGTN	La Voz de la Telefunken – Guatem.
		1	CP5	R. Illimani – Bolivia
		0.3	CBNX	St. Johns – Canada
				Moscow 1 – U.S.S.R.
		10		Arhkabad – U.S.S.R.
		10	VUD	Delhi – India
5975	50.21	2		Djeddah – Saudi Arabia
		7.5/100		Warsaw – Poland
5975	50.21	6.5		R. Omdurman – Sudan
		3		Djeddah – Saudi Arabia
5980	50.16	25		R. Andorra – Andorra
		50		Karachi – Pakistan
				Moscow – U.S.S.R.
*5981	50.16	2	ZFY	R. Demerara – Br. Guiana
5985	50.12	10		R. Splendid – Argentina
				Shanghai – China
5990	50.08	100		Delhi – India
		0.5	TGJA	R. Nuevo Mundo – Guatemala
		1	TIQ	R. Casino – Costa Rica
		0.3	HCGY6	R. Luz – Ecuador
		50		Karachi – Pakistan
5995	50.04	1	YNDG	R. Colonial – Nicaragua
		7.5/100		Warzaw – Poland
		1	HO5O	R. Continental – Panama
6000	50.00	5	PRK5	R. Inconfidencia – Brazil
		5	HJKD	Emisora Nuevo Mundo – Colombia
		1	DZH4	Manila MBC – Philippine
		20	TAN	Ankara I – Turkey
		0.2	HI9B	Broadc. Hotel Mercedes – Domin.
		0.25	OAX2A	R. El Palomar – Peru
		0.5		Innsbruck – Austria (Fr. Z.)
		50	CXA2	R. de Montevideo – Uruguay
				49 METRE BAND
6005	49.96	1	HP5K	Cadena Panama de Radiodif. – Pan.
		5/100	HVJ2	Vatican Radio – Vatican
		20		RIAS-Berlin – Germany
		5	JKO21	Kawachi – Japan
		0.075	CFCX	Montreal – Canada
6006	49.95	2.5	CNR3	Rabat – Morocco
		7.5		Colombo – Ceylon
6010	49.92	2.5	XEOI	R. Mil – Mexico
		5	COCO	Radiodifusora COCO y CMCK – Cuba
		2	YSS	R. Nacional Alma Cuscatleca – El Salvador
		5/10	VUD2/3	Delhi – India
		30	OLR2A	R. Prague – Czeckoslovakia
		1	HJFC	La Voz de Armenia – Colombia
		100		Radio Roma – Italy
		0.2	CE601	Emisora Norte – Chile
		50	GRB	London – Gr. Britain
		1	CJCX	Sydney – Canada
		10	VUC2	Calcutta – India
		0.5	4VM	R. Diffusion 4VM – Haiti

kc/s	Metres	kW		Stations
6015	49.88	0.4	YNBH	R. Panamericana – Nicaragua
		10	PRA8	R. Clube de Pernambuco – Brazil
6015	49.88	5	ZOY	Accra – Gold Coast
		35/100		Voice of America – Tangier
		35		Courier VOA – U.S.A (Rhodes)
*6018	49.84	5	HJCX	La Voz de Colombia – Colombia
6020	49.83	20		Khabarovsk – U.S.S.R.
		0.25		R. Africa – Tangier
		100		Kiev 1 – U.S.S.R.
		0.2	XEUW	Eco de Sotavento – Mexico
		0.5	HROW	R. Monserrat – Rep. Honduras
		1	OAX4Q	R. Victoria – Peru
		35	WRCA	Bound Brook – U.S.A.
		1	ELBI	Liberia Broadc. Comp., Mourovia – Liberia
6024	49.80	4.5		R. AEF – Fr. Equat. Africa
6025	49.79	0.2	HI1J	Ondas Nacionales – Dominicana
		5		Kuala Lumpur – Malaya
		7.5	CR8AB	R. Goa – Port. India
		10		Lahore – Pakistan
		10/35		R. Nederland – Holland
6030	49.75	2	DZH6	FEBC Manila – Philippine
		5/100	HVJ3	Vatican Radio – Vatican
		0.25	HP5B	R. Miramar – Panama
		20		Süddeutscher Rundfunk – Germ. (Am. Z.)
		0.5	XEKW	R. Morelia – Mexico
		0.1	CFVP	Calgary – Canada
				Moscow 1 – U.S.S.R.
6034	49.71	7.5		Rangoon – Burma
*6035	49.71	1.0		Noumea – New Caledonia
*		30		R. Monte Carlo – Monte Carlo
		0.2	OAX6B	R. Landa – Peru
		1	CXA30	R. Nacional – Uruguay
		50	GWS	London – Gr. Britain
		50		Karachi – Pakistan
6040	49.67	200	WLWO	Bethany – U.S.A.
		50	KCBR	Delano – U.S.A.
		50	GSY	London – Gr. Britain
		35/100		Voice of America – Tangier
6042	49.65	0.25	OAX6A	R. Arequipa – Peru
6045	49.63	0.25	CE604	R. Libertad – Chile
		100	YDF	Djakarta – Java
		0.1	XETW	Voz de Tampico – Mexico
			HOU31	La Voz del Baru – Panama
6050	49.59	50	GSA	London – Gr. Britain
*		0.7	HI1N	Emisoras Unidas – Dominicana
		1	YSR	La Voz de El Salvador – El Salvad.
		0.8	HCJB	The Voice of the Andes – Ecuador
		0.25	HCRQ2	La Voz del Tropico – Ecuador
		10		Tbilissi – U.S.S.R.
6055	49.55	0.6	YNOW	La Voz de la America C. – Nicarag.
		0.25	DYH4	Dumaguete – Philippines
		2.5	HJEX	R. Pacifico – Colombia
		5	CXA14	Servicio de Inform. y Prenca – Uru.
		25/100	HER2	Schwarzenbourg – Switzerland
		7.5	PRB21	R. Record – Brazil
*		0.3	OAX6E	R. Continental – Peru
6060	49.50	50	KRCA	Dixon – U.S.A.
		50	WABC	Brentwood – U.S.A.
		50	OZF3	Herstedvester – Denmark
		0.2	HCAC1	La Voz de la Democracia – Ecuad.
		0.5	HORT	R. Balboa – Panama
		3	VQ7LO	Nairobi – Kenya
		50	GSX	London – Gr. Britain
		50	CKRZ	Sackville – Canada
		0.1	CP44	R. Popular – Bolivia
		35/100		Voice of America – Tangier
6062	49.48	10	LRA1	R. del Estado – Argentina
6065	49.46	0.3	HCFQ2	R. Continental – Ecuador
		100		R. Sweden – Sweden
		0.2	VUM7	Mysore (S. Regional) – India
		0.2	YNEQ	La Voz de la Victoria – Nicaragua
		5	XEXG	Radiodifusora Mexico – Mexico
		100	ORU	Brüssel (Wavre) – Belgium
6067	49.45	1.5	EA9AH	Tetuan – Spanish Marocco
6069	49.42	50	JOA	Yamata – Japan
6070	49.42	0.3	CP18	R. El Condor – Bolivia
		10		Petropavlovsk – U.S.S.R.
		50	GRR	London – Gr. Britain
		1	CFRX	Toronto – Canada
		0.2	HRQ5	Voz de Suyapa – Rep. Honduras
		0.3	OAX4S	R. S. Christobal – Peru
6070	49.42	100		Sofia – Bulgaria
				Moscow 3 – U.S.S.R.
6075	49.38	0.25		Colombo – Ceylon
		2.5	CXA3	R. Ariel – Uruguay
		100	KGEI	Belmont – U.S.A.
		50		Karachi – Pakistan
		10		Lahore – Pakistan
6080	49.34	75	WLWO	Mason – U.S.A.
		10		Delhi – India
		7.5/100		Voice of America (Relay) – Germ.
		7.5	ZL7	Wellington – New Zealand
		5	JKI3	Kawachi – Japan
		0.01	CKFX	Vancouver – Canada
		20		Vladivostock – U.S.S.R.
6082	49.32	15	OAX4Z	R. Nacional – Peru
6085	49.30	0.2	VUM1	Madras (S. Regional) – India
		16	ZYK2	R. Jornal do Commercio – Brazil
6090	49.26	50	GWM	London – Gr. Britain
		50	LRY1	R. Belgrano – Argentina
		5		R. Luxembourg – Luxembourg
		2	VLI6	Sidney – Australia
		50	CKOB	Sackville – Canada
				R. Cambodia – Vietnam
		7.5		Dacca – Pakistan
6092	49.24	7		R. Täbriz – Iran
*6095	49.22	100		R. Sweden – Sweden
*		3.5	BED29	Taipeh – Taiwan
		1	YSC	R. 1025 Ondas Populares – El Salvador
		1	OAX4H	R. Mundial – Peru
		25	ZYB7	R. Difusora Sao Paulo – Brazil
*		30	OLR	R. Prague – Czeckoslovakia
		0.25	HCPT5	Voz del Perpetuo Socorro – Ecuad.
*6098	49.19	2.5	HJFK	La Voz del Amiga – Colombia
6100	49.18	2	YNV	Radiodifusora Nacional – Nicarag.
		50	WRCA	Bound Brook – U.S.A.
		10/100		R. Yugoslavia – Yugoslavia
		0.25	DYH3	Cebu City – Philippine
		10		Peking – China
		7.5		R. Nigeria – Nigeria
		50	WRCA	Bound Brook – U.S.A.
		0.5	TGOA	Voz de las Americas – Guatemala
*6105	49.14	5	ZYN6	Ceará Radio Clube – Brazil
*		4.5	HJFD	R. Manizales – Colombia
		7.5/100		Voice of America (Relay) – Ger.
		1		Kure BCF – Japan
6110	49.10	10	DZI3	R. Free Asia – Philippines
		7.5/100		Singapore (BFBS) – Malaya
*		1		R. Internacional – Tangier
		50	GSL	London – Gr. Britain
*6112	49.06	1	HI1Z	Voz de los Muchachos – Dominic.
		7.5		Dacca – Pakistan
6115	49.06	5		Deutschlandsender (U.S.S.R.Z) G.
		7.5/100		R. Warsaw – Poland
6116	49.06	25		R. France-Asia – Vietnam
6120	49.02	50	WABC	Brentwood – U.S.A.
		1	CP15	R. El Condor – Bolivia
		7.5	ZIM4	Sharq al Adna – Cyprus
		7.5		Dacca – Pakistan
		10	OIX7	Pori – Finland
		50		Voice of America, Manila – Philip.
		35/100		Voice of America – Tangier
		10	LRX1	R. El Mundo – Argentina
6122	49.00	0.5	HP5H	La Voz del Pueblo – Panama
6125	48.98	10	CXA4	SODRE – Uruguay
		7.5		Voice of America. Manila – Philip.
		50	GWA	London – Gr. Britain
		10	LRM	Mendoza – Argentina
		1	HRQ	Voz de Suyapa – Rep. Honduras
6128	48.96	0.1	OAX7A	R. Cuzco – Peru
6130	48.94	0.1	XEQH	R. Central de Mexico – Mexico
		7.5	ZL11	Wellington – New Zealand
		5	JKQ21	Kawachi – Japan
		0.2	HI1G	Emisoras Hig – Dominicana
		1	COCD	La Voz del Aire – Cuba
		0.25	HCFB2	R. Nal. Condor – Ecuador
		0.5	CHNX	Halifax – Canada
		10	LKJ2	R. Norway – Norway
				Moscow II – U.S.S.R.
6135	48.90	1		R. Tahiti – Tahiti
		0.5	CP30	R. Electra – Bolivia
		10	CXA13	R. Carve – Uruguay
		7.5	PRC21	R. Gaucha – Brazil
		0.5		R. Baghdad – Iraq
		5		R. Malaya – Malaya
		1	HJEV	La Voz del Valle – Colombia
6138	48.88	10		Lahore – Pakistan
6140	48.86	50	WRUL	Scituate – U.S.A.
		50	OTC	Leopoldville – Belgian Congo

kc/s	Metres	kW		Stations
		025.	HOQQ	Emisora Nacional – Panama
		0.4	YNWA	R. Mundial – Nicaragua
*		7.5/100		Voice of America (Relay) – Germ.
		1	DYH2	Cebu City – Philippines
		7.5/100		Warsaw – Poland
*6145	48.82	25	OCI	Algiers – Algeria
*		5	HJED	La Voz de Antioquia – Colombia
		100		Allouis – France
		10	LRT	Tucuman – Argentina
6147	48.82	50	PRL9	R. Nacional – Brazil
6150	48.78	5	CE615	R. Cooperativa Vitalicia – Chile
		0.5	TGAZ	R. Continental – Guatemala
		5	VLR6	Melbourne – Australia
		0.3	CP12	R. Fides – Bolivia
		0.25	TIRH	R. El Mundo – Costa Rica
		50	GRW	London – Gr. Britain
		0.35	YSP	La Voz de Cuscatlan – El Salvador
		10/100		R. Yugoslavia – Yugoslavia
		0.25	OAX1A	R. Delcar – Peru
		20		Delhi – India
		10	VUB2	Bombay – India
6154	48.74			Chungking – China
		2		R. Renascenca – Portugal
6155	48.74	2	EQB	R. Tehran – Iran
		10	CXA13	R. Carve – Uruguay
		0.2		Vienna (RAVAG) – Austria
6160	48.70	0.2	HI1R	Voz de Fundacion – Dominican
*		5	HJKJ	Emisora Nueva Granada-Colomb.
		10		Munich – Germany
		100		Honolulu – Hawaii
		50	CHAC	Sackville – Canada
		0.15	CBRX	Vancouver – Canada
*6165	48.66	20		Damascus – Syria
*		0.4	4VCM	La M.B.C. – Haiti
		1		R. Hanoi – Vietnam
		25/100	HER3	Schwarzenbourg – Switzerland
		50	GWK	London – Gr. Britain
		2	TILS	Para Ti – Costa Rica
6170	48.62	50	WABC	Brentwood – U.S.A.
		2	YKVO	Radiodifusora Nacional-Venezuel.
		30	OLR2D	R. Prague – Czeckoslovakia
		0.3	OAX4B	R. Azul – Peru
		0.35	YSHQ	La Voz del Progreso - El Salvador
		1	CXA21	R. Fenix – Uruguay
		50	GSZ	London – Gr. Britain
		0.25	DUH2	The Peoples St., Manila - Philipp.
		7.5	ZJM5	Sharq al Adna – Cyprus
		3	YDG	Surakarta – Java
6172	48.60	1	FIQA	Tananarive – Madagascar
6175	48.58	0.3	HOB	R. Panamericana – Panama
		5		R. Malaya Singapore – Malaya
		0.1	XEXA	R. Gobernacion – Mexico
		5	JKG21	Kawachi – Japan
		20	JKI	Nazaki (AFRS) – Japan
		7.5/100		Voice of America (Relay) – Germ.
		0.5	4VHW	R. Haiti – Haiti
6177	48.56	7.5		Athens (NBI) – Greece
		1	HRQ	R. Tela – Rep. Honduras
6180	48.54	0.25	YSMA	La Voz Sup. de Occid. – El Salvad.
		50	GRO	London – Gr. Britain
		1		Voice of Vietnam – Viet-Nam
		0.2	TGWB	La Voz de Guatemala – Guatem.
		3	TIGPH4	Nueva Alma Tica – Costa Rica
		1		Voice of Vietnam – Vietnam
		10		Ashkabad – U.S.S.R.
6185	48.50	0.5	CP9	R. Amauta – Bolivia
		50	KRCA	Dixon – U.S.A.
		0.25	HCFM1	R. Equinoccial – Ecuador
		0.05	XECC	Impulsoras del Progreso – Mexico
		10	LLI	R. Norway – Norway
		7.5/100		Voice of America (Relay) – Germ.
6187	48.49	1	HRQ	R. Progresso – Rep. Honduras
		10		R. Yugoslavia – Yugoslavia
6190	48.47	1	CE619	R. Corporacion – Chile
		0.3	CP37	R. Oruro – Bolivia
		1.2		Frankfurt – Germany
		0.25	OAX4G	R. Lima – Peru
		5/100	HVJ4	Vatican R. – Vatican
		50	WRCA	Bound Brook – U.S.A.
		10/100	VUD2/7	Delhi – India
		5	JKM21	Kawachi – Japan
		0.1	HI9T	Broadcasting Tropical – Dominic.
6195	48.43	100/1.2		Honolulu – Hawaii
		50	KCBR	Delano – U.S.A.
		1		Emisora Continental – Brazil
		50	GRN	London – Gr. Britain
		2		Malaga – Spain
6198	48.40	0.3	OAX1B	R. Piura – Peru
*6200	48.39	0.3		Jannina (FBS) – Greece
		10/100		Allouis – France
		1	CR6RJ	R. Clube de Huila – Angola
		0.25	OAX4P	R. Huancayo – Peru
6203	48.38	10	HJCQ	R. Nacional – Colombia
6205	48.35	0.7	4V2H	Station 4V2H – Haiti
6210	48.31	0.25	HCAC1	La Voz de la Democracia – Ecuador
		5		R. România Liberâ – Rumania
6215	48.27	3		Tanger – Spain
6220	48.23	5	CE622	Sociedad Nac. de Mineria – Chile
		0.3	HCLT2	Radiodifusora Costa Azul – Ecuad.
				Alma Ata – U.S.S.R.
6235	48.12	0.3	HRD2	Voz de Atlantica – Rep. Honduras
		50		Karachi – Pakistan
6240	48.08	2.5	HSK8	Bangkok – Thailand
*		5		R. A. I. R. Italiana – Italy
*6250	48.00	0.75	YSUA	R. Mil Cincuenta – El Salvador
		0.25	CP22	R. Internacional – Bolivia
6255	47.96	0.1	TGRA	Voz de la Guardia Civil – Guatem.
*6260	47.90	5		RAI, R. Italiana – Italy
6270	47.84	0.1		Tripolis (FBS) – Greece
*		0.4		NWDR Germany
6275	47.81	2	ZPA1	R. Nacional – Paraguay
6285	47.73	1	TGTQ	R. Internacional – Guatemala
6295	47.66	1	TGLA	La Voz de Centro America – Guatemala
		3	OTM4	R. Congo Belge – Belgian Congo
		0.1	4VWA	R. Citadelle – Haiti
6310	47.55	0.1	4VCP	R. Station 4VCP – Haiti
6320	47.47	1		Südwestfunk – Germ. (Am.Z.)
6322	47.46	1	COEW	Cadena Roja – Cuba
6330	47.30	0. 25		Athens (F.B.S.) – Greece
*6335	47.37	0.25	TGTA-R	Bolivar – Guatemala
6351	47.24	0.6	HRP1	El Eco de Honduras – R. Honduras
*6360	47.16	10		R. Nacional, Centro Emissoro – Portugal
*6374	47.07	10		R. Nacional Ultramarino, Portugal
6383	47.00	0.2		R. Izmir – Turkey
6400	46.86	0.2	HCRL2	R. Quinta Piedad – Ecuador
				Sian – China
6401	46.87	0.4	TGQA	Voz de Quezaltenango – Guatem.
6406	46.83	0.1	4VCN	R. Fides – Haiti
6410	46.80	0.6	HRLP	Voz Popular – Rep. Honduras
6419	46.72	1		The Voice of Ethiopia – Ethiopia
6450	46.51	1	COCY	La Cadena Azul – Cuba
*6460	46.44	1	TGWB	Voz de Guatemala – Guatemala
6500	45.88	5		R. Shiras – Iran
6518	46.27			Ulan Bator – U.S.S.R.
6560	45.70	0.5		Tirana – Albania
6570	45.66	0.2	TGBC	R. Colonial – Guatemala
6590	45.42	0.4	TGQA	La Voz de Mazatmango – Guatemala
6620	45.32	1	TG2	R. Morse – Guatemala
6645	45.16			Wuhan – China
6655	45.08	0.25	TGZA	R. Oriental – Guatemala
6675	44.94	20	HBQ	United Nations – Switzerland
*6675	44.95	2	HROW	R. Monserrat – Rep. Honduras
6725	44.61	1	4XB44	Galei Zahal – Israel
*6752	44.43	0.3		Larissa (FBS) – Greece
6755	44.44	1		R. Sanandaj – Iran
6760	44.38	0.5	YNVP	La Voz de Nicaragua – Nicaragua
6790	44.18	7.5	ZJM6	Sharq al Adna – Cyprus
6812	44.04	10		Shanghai – China
6825	43.96	15		Tashkent – U.S.S.R.
*6830	43.82	2.5	4XB31	Tel Aviv – Israel
6845	43.77	1		R. Ispfahan – Iran
6870	43.67	1	CR6RG	R. Diamang – Angola
		10		Alma Ata – U.S.S.R.
		0.25	HC4EB	R. Manta – Ecuador
6993	42.90	1	CQM7	Emissora da Guine – Port Guinea

41 METRES BAND

kc/s	Metres	kW		Stations
7000	42.86	6.5		R. Omdurman – Sudan
		0.5		Salonika (FBS) – Greece
7006	42.83	0.5		R. Falange de Valladolid – Spain
7010	42.80	50		Karachi – Pakistan
7017	42.70	1.5		RNE Malaga – Spain
*7018	42.75	10		R. Nacional – Portugal
7030	42.67	0.05		Makronissos – Greece
*7037	42.63	1		R. Mediterraneo – Spain
7049	42.56	10		R. Nacional Portugal
7062	42.48	0.5		R. Baghdad – Iraq
7075	42.40	50	GRS	London – Gr. Britain

kc/s	Metres	kW		Stations
7080	42.37	0.5		Teknik Universite – Turkey
7090	42.31	12		Voice of Vietnam – Vietnam
7092	42.30	16		R. Baghdad – Iraq
7096	42.27	50		Karachi – Pakistan
7100	42.25	0.5		Nepal Radio – Nepal
		0,1		7 lowpower SEU st., Spain.
		1	YDJ2	Jogjakarta – Java Rep. Indonesia
		20		Khabarovsk – U.S.S.R.
7104	42.22	0.2		R. Murcia (SEU) – Spain
7105	42.22	100		Allouis – France
7110	42.19	60		Radio Roma – Italy
7115	42.16	0.4	CR4AA	Radio Club de Cabo Verde – Cape Verde
		100		Moscow II – U.S.S.R.
7120	42.13	100	VUD5	Delhi – India
		15/100		BFEBS – Malaya
		50	GRM	London – Gr. Britain
		100		Allouis – France
7125	42.10	1	VQ6MI	Hargeisa – Br. Somali
		20		Delhi – India
7126	42.10	0.5		Hollandia – New Guinea (Dutch
		0.04		R. Villanueva (SEU) – Spain
*7130	42.08	20	BED7	Taipeh – Taiwan
7140	42.02	0.6	CR6RE	R. Club de Malange – Angola
		7.5		Dacca – Pakistan
*		0.8	EDV10	R. SEU – Spain
		0.6		R. Merida (SEU) – Spain
7142	42.01	1	CR6RL	R. Clube de Angola – Angola
		2.5	HSK7	Bangkok – Thailand
7145	41.99	7.5/100		Warsaw – Poland
		7.5		Damascus – Syria
*7150	41.96	5		Deutschlandsender – Germany
		0.25	OQ2AB	R. Elizabeth – Belgian Congo
		50	GRT	London – Gr. Britain
		7.5		Dacca – Pakistan
		10		Erivan – U.S.S.R.
7152	41.95	0.15	CR6RD	R. Clube de Huambo – Angola
7155	41.93	100	VUD7	Delhi – India
		7.5/100		Warsaw – Poland
7160	41.89	100		Allouis – France
7161	41.89	1	CR6RB	R. Club de Benguela – Angola
		100		Moscow I – U.S.S.R.
7170	41.84	100		Delhi – India
7177	41.80	1.0	CR6AA	R. Lobito – Angola
7180	41.78	0.75	CR6RK	R. Club do Sul de Angola – Angola
		0.03	CR4AB	R. Clube Mindelo – Cape Verde
		50	JOA2	Nazaki – Japan
7185	41.75	50	GRK	London – Gr. Britain
7190	41.72	7.5		Colombo – Ceylon
		100		Delhi – India
7193	41.72	5		R. Africa Maghreb – Tangier
7198	41.68	25		Stalinabad – U.S.S.R.
7199	41.68	0.3	CR7IB	Aeroclube da Beira – Moz.
7200	41.67	0.2	OQ2AC	R. College – Belgian Congo
		50	GWZ	London – Gr. Britain
		5		R. Malaya – Malaya
		0.75		R. Santa Isabel – Spain. Guinea
		35		Courier VOA – U.S.A. (Rhodes)
		35		Voice of America – Tangier
		0.1		Albacete – Spain
		0.08		Huesca – Spain
		0.06		Barcelona – Spain
		0.6		Cadiz – Spain
		100/10		R. Yugoslavia – Yugoslavia
7203	41.65	1	CR6RO	R. Clube do Bié – Angola
		75/100		R. Warsaw III – Poland
7205	41.49	1		R. Hué – Vietnam
7210	41.61	0.2/10	VUC2/3	Calcutta – India
		10		Delhi – India
		50	GWL	London – Gr. Britain
		25/100	HEI3	Schwarzenbourg – Switzerland
		10	LLS	R. Norway – Norway
		1		R. Abidjan – Ivory Coast
7214	41.59	35		Voice of America – Tangier
7215	41.59			R. Laos – Vietnam
*7220	41.55	100		Budapest – Hungary
		100	YDF5	Djakarta – Java Rep. Indonesia
		2.5	ZQP	Lusaka – N. Rhodesia
		100		Voice of America – Tangier
		100		Allouis – France
		50	VLC7	Shepparton – Australia
		7.5	ZL12	Wellington – New Zealand
7225	41.52	20	VUD10	Delhi – India
		100		Moscow – U.S.S.R.
7230	41.49	25		R. France Asia – Vietnam
				Johannesburg – S. Africa

kc/s	Metres	kW		Stations
		50	GSW	London – Gr. Britain
		1	CR6RM	R. Clube de Mocamedes – Angola
		0.25		R. Falange de Oviedo – Spain
		20		Delhi – India
7235	41.47	35/100		Voice of America – Tangier
7240	41.44	100		Allouis – France
		50	VLC7	Shepparton – Australia
		20	VUD10	Delhi – India
		0.2/10	VUB2/3	Bombay – India
		20	TAM	Ankara I – Turkey
		10	LLR	R. Norway – Norway
		10/100		R. Yugoslavia – Yugoslavia
		2.5	YDP3	Bukittinggi, Sumatra Indonesia
7245	41.41	0.3		Vienna II (RAVAG) – Austria
7250	41.38	5/100	HVJ5	Vatican R. – Vatican
		50	GWI	London – Gr. Britain
		7.5/100		Voice of America (Relay) – Germ.
7254	41.36	7.5	CR7AA	Lourenco Marques – Mocamb.
7255	41.36			Cape Town – S. Africa
		0.25		Lagos – Nigeria
7257	41.34	5	JKH	Yamata – Japan
7260	41.32	100	VUD5	Delhi – India
		100		Moscow I – U.S.S.R.
		0.2/10	VUM2/3	Madras – India
*		50	OZF4	The Voice of Denmark – Denmark
		50	GSU	London – Gr. Britain
		0.045		Valencia – Spain
		0.06		Almeria – Spain
7260	51.25	100		Lisboa – Portugal
7263	41.31	50		Karachi – Pakistan
7265	41.29	1		R. Dalat – Vietnam
7270	41.27	12		R. Sweden – Sweden
		25/50	HVJ6	Vatican R. – Vatican
		1.5	YSO	Voz de la Democracia – E. Salv.
		7.5	YDB3	Djakarta – Java Rep. Indonesia
		0.2		Srinager – India
		35/100		Voice of America – Tangier
		50		Karachi – Pakistan
		10		Lahore – Pakistan
7275	41.24			Johannesburg – S. Africa
		7.5	VUD8/9	Delhi – India
7280	41.21	2	VLT7	Port Moresby – New Guinea
		10/100		Allouis – France
		1		R. Douala – Fr. Cameroon
		50	GWN	London – Gr. Britain
		0.3	DXH2	The Voice of Davao – Philippines
		5/100	HVJ7	Vatican R. – Vatican
		100	VLA7	Shepparton – Australia
		50	VLC7	Shepparton – Australia
		100		Minsk – U.S.S.R.
7281	41.20	0.04		Albacete – Spain
		0.04		Barcelona – Spain
7284	41.19	10		Lahore – Pakistan
7285	41.18	15	ZEAK	Salisbury – S. Rhodesia
		5	JKJ	Tokyo – Japan
7288	41.17	12		La Voix du Vietnam – Vietnam
		100	TAS	Ankara II – Turkey
7290	41.15	7.5/10	VUD2/8	Delhi – India
		7.5	ZL13	Wellington – New Zealand
*		0.4/20		N.W.D.R. – Germany
		3		Pan American R. – Tangier
7295	41.12	0.3	YDQ3	Makassar–Celebes Rep. Indonesia
		0.25	FA8AB	Radio Club de Tenerife – Canary Islands
				Johannesburg – S. Africa
*7300	41.10	7.5		Athens (NBI) – Greece
		0.25	HCDC4	R. Cenit – Ecuador
7300	41.10	0.25		R. Alerta – Spain
7305	41.06	7.5	CR7BC	R. Clube de Mozambique – Moz.
7320	40.98	50	GRJ	London – Gr. Britain
		5	VED	Edmonton – Canada
7330	40.93	50		Kharkov – U.S.S.R.
7340	40.87			Leningrad – U.S.S.R.
7350	40.81	0.2	HCAN2	R. Cenit – Ecuador
7375	40.68	0.25	FIQA	Tananarive – Madagascar
7380	40.65	1		La Voz de Falange – Spain
7400	40.54	0.5	YNAM	Academia Militar – Nicaragua
7408	40.50			R. Hirondelle – Vietnam
7420	40.45	1		Mogodishu – Ital. Somali.
7440	40.35	25		Stalinabad – U.S.S.R.
7447	40.29	0.05	FG8HA	R. Guadeloupe – Guadeloupe
7470	40.16	0.25	TGDA	Voz de Occidente – Guatemala
7480	40.11	10		Alma Ata – U.S.S.R.
7500	40.00	10		Peking – China
7547	39.75	5	ZNX32	Bridgetown – Barbados
7570	39.63	0.5	OZL	Angmagssalik – Greenland

kc/s	Metres	kW		Stations
7580	39.58	0.3		Cavalla (FBS) – Greece
7595	39.50	0.1		Korca – Albania
7623	41.29	7.5		Dacca – Pakistan
7650	39.22			Leningrad – U.S.S.R.
7655	39.19	7.5		Dacca – Pakistan
7660	39.16	1	CEZ7C	R. Yungay – Chile
				Mukden – China
7667	39.13	7.5	APD2	Dacca – Pakistan
7670	39.11	100		Sofia – Bulgaria
7806	38.43	0.25	CR6RP	R. Clube do Cuanza Sul – Angola
7850	38.20	3		Tirana – Albania
*7935	37.81	1.5	PSL	Agencia Nacional – Brazil
		1	HLKB	Korean Broadc. System – Korea
7940	37.78	1.2		Alicante Levante – Spain
7950	37.74	0.3		Kozani (FBS) – Greece
8000	37.50	1		R. Ahwaz – Iran
*8036	37.34	2.5		Beirut – Lebanon
8170	36.72	0.25	4XB24	Haifa – Israel
8215	36.52	0.2		Shkodra – Albania
8230	36.45	0.25	ZNB	Mafeking – S. Africa
8300	36.10	1	CR6RG	R. Diamang – Angola
8500	35.30	0.1		Vlore – Albania
8663	34.63	1	COJK	Voz de Camagüeyana – Cuba
8820	34.01	10		Khabarovsk – U.S.S.R.
8825	33.92	1	COCQ	Circuito CMQ – Cuba
8955	33.50	1.2	COKG	Cadena Oriental de Radio – Cuba
8984	33.88	0.1	4VPL	La P. B. S. – Haiti
8990	33.97	0.25	HRXW	R. Comayagüela – Rep. Hondur.
9009	33.30	7.5	4XB21	Tel Aviv – Israel
*9030	33.22	1	COBZ	R. Salas – Cuba
*9040	33.19	10		Peking – China
9165	52.62	1		Radio Club Benguela – Angola
*9210	32.57	7.5	OTH	R. Congo Belge – Belgian Congo
9235	32.49	1	COBQ	R. Onda Musical Cubana – Cuba
9250	32.44	1	YSF	R. Vanguardia – El Salvador
9254	32.43	4		Bucuresti – Rumania
9273	32.33	1	COCX	Talleres Tipograficos Nacionales – Cuba
9290	32.28	5	PRN9	Difosora do Departamento Federal de Seguranca Publica – Brazil
*9320	32.19	10	LRS2	R. Splendid – Argentina
9340	32.10	1	CR6RG	R. Diamang – Angola
		10		Alma Ata – U.S.S.R.
*9362	32.05	1	COBC	R. Progreso – Cuba
*9363	32.04	40		R. Nacional de Espana – Spain
*9380	31.98	20	OTM	R. Congo Belge – Belgian Congo
		10		Alma Ata – U.S.S.R.
9378	31.99	10		Khabarovsk – U.S.S.R.
9404	31.90	0.5	OAX4W	R. America – Peru
9410	31.88	50	GRI	London – Gr. Britain
				Leningrad – U.S.S.R.
*9437	31.80	1	COCH	R. Internacional – Cuba
*9440	31.78	7		R. Brazzaville – Fr. Equat. Africa
*9455	31.75	50	LRA	SIRA – Argentina
9465	31.70	20	TAP	Ankara I – Turkey
9480	31.64			Sian – China
9484	31.63	50		Karachi – Pakistan
		20		Vladivostock – U.S.S.R.
9490	31.61	15	ZEAL	Salisbury – S. Rhodesia
		1	KUJ39	Guam – Philippines
9500	31.58	0.1	OAX6H	R. Tacna – Peru
*		10	XEWW	Cadena Radiodifosora Mexicana – Mexico
		50		Voice of America – Tangier
		100		Minsk – U.S.S.R.
		1	CP6	R. Illimani – Bolivia
		0.25	DZH3	Philippine Broadc., Man. Philipp.
9502	31.57	0.3	CR6RF	R. Clube de Benguela – Angola
*9504	31.57	30	OLR3B	R. Prague – Czechoslovakia
9505	31.56	0.7	CP38	La Cruz del Sur – Bolivia
		7.5	PRB22	R. Record – Brazil
		10/100		R. Yugoslavia – Yugoslavia
		0.25	HOLA	R. Atlantico – Panama
		50	JBD	Kawachi – Japan
9510	31.55	50	GSB	London – Gr. Britain
		4	YVKF	Barquisimeto – Venezuela
9515	31.53	200	KRCA	Dixon – U.S.A.
		100	TAT	Ankara II – Turkey
		1	FIQA	Tananarive – Madagascar
9520	31.51	10	VLT9	Port Moresby – Australia
		200	WLWO	Bethany – U.S.A.
		5	HJKF	Emisora Nuevo Mundo – Colomb.
		50	OZF5	The Voice of Denmark – Denmark
		7.5	ZL18	Wellington – New Zealand
		0.25	OAX4J	R. Colonial – Peru
9523	31.50			Johannesburg – S. Africa

kc/s	Metres	kW		Stations
9525	31.50	0.5	HI2L	Voz del Tropico – Dominicana
		50	GWJ	London – Gr. Britain
		2.5	ZBW3	R. Hong Kong – Hong Kong
9526	31.50	7.5		Damascus – Syria
9530	31.48	100	WGEO	Schenectady – U.S.A.
		50	WABC	Brentwood – U.S.A.
		50	KCBR	Delano – U.S.A.
		0.2/10	VUC2/3	Calcutta – India
		50/7.5		Voice of America, Manila – Philip.
		20	VUD10/11	Delhi – India
9535	31.46	25/100	HER4	Schwarzenburg – Switzerland
		100		R. Sweden – Sweden
		5	COCO	Radiodifusora COCO y CMCK – Cuba
		5	XEXF	Radiodifusora Mexico – Mexico
		5	JKD22	Tokyo – Japan
9540	31.45	7.5	ZL2	Wellington – New Zealand
		100	VLB9	Shepparton – Australia
		50	VLC9	Shepparton – Australia
		10	VLG9	Lyndhurst – Australia
		7.5/100		Voice of America (Relay) – Germ.
		0.5	YSLL	San Salvador en el Aire – El Salva.
		100		Allouis – France
		1	COBQ	R. Onda Musical Cubana – Cuba
9543	31.44	7.5		Rangoon – Burma
9545	31.43	0.3	OAX4K	R. Central – Peru
		50	PRG9	R. Nacional – Brazil
		0.25	XEFT	Voz de Veracruz – Mexico
		35/100		Voice of America – Tangier
9550	31.41	5/100	HVJ8	Vatican R. – Vatican
*		8	YDQ2	Makassar–Celebes R.Indonesia
		10	LLD	R. Norway – Norway
		20	VUD10	Delhi – India
		0.2/10	VUB2/3	Bombay – India
		30	ORL3A	R. Prague – Czechoslovakia
		100		Allouis – France
		50	WRCA	Bound Brook – U.S.A.
		0.3	DZI2	Rizal – Philippines
		50	GWB	London – Gr. Britain
*		10	LKJ	R. Norway – Norway
		5	JKJ22	Tokyo – Japan
9555	31.40	7.5/20		Damascus – Syria
		10		Cairo – Egypt
*		0.5	XETT	La Hora Exacta – Mexico
		7.5/100		Warsaw – Poland
		5	YSS	R. Nacional Alma Cuocatleca – El Salvador
9560	31.28	200	WLWO	Bethany – U.S.A.
		50	WRCA	Bound Brook – U.S.A.
		100	VLB9	Shepparton – Australia
		100		Delhi – India
		50	VLC9	Shepparton – Australia
		100		Allouis – France
		50	JBD2	Kawachi – Japan
9562	31.37	15/50	OAX4T	R. Nacional – Peru
		10		Salzburg (RWR)
9565	31.36	100	VUD7	Delhi – India
*		16	ZYK3	R. Jornal do Commercio – Brazil
		25		Komsomolsk – U.S.S.R.
9570	31.34	25	OC2	Algiers – Algeria
*		60		Radio Roma – Italy
		100	KWID	San Francisco – U.S.A.
		50	WBOS	Hull – U.S.A.
		0.4	CP21	R. La Plata – Bolivia
		50	GWK	London – Gr. Britain
		100/1.2		Honolulu – Hawaii
		7.5/100		R. Warsaw – Poland
9575	31.33	100		Delhi – India
9580	31.32	100	VLA9	Shepparton – Australia
		100	VLB9	Shepparton – Australia
		10	VLG9	Lyndhurst – Australia
		50	GSC	London – Gr. Britain
9585	31.30	100	YDF6	Diakarta – Java
9590	31.28	0.2	HI2G	Emisoras Hig – Dominicana
		5/100	VUD3/7	Delhi – India
		0.2/10	VUM2/3	Madras – India
*		50	WABC	Brentwood – U.S.A.
		50	KCBR	Delano – U.S.A.
		35		R. Nederland – Holland
		0.2	OAX5C	R. Universal – Peru
9595	31.27	1		Athlone – Ireland
*9600	31.25	0.25	XEYU	Universidad Nacional – Mexico
*		50	GRY	London – Gr. Britain
		200	KCBR	Delano – U.S.A.
		100	KRCA	Dixon – U.S.A.
		1	CE960	R. La Americana – Chile

kc/s	Metres	kW		Stations
		5		Johannesburg – S. Africa
				Leningrad – U.S.S.R.
9605	31.24	5	JKL2	Tokyo – Japan
*9607	31.33	0.5	HP5J	Voz de Panama – Panama
		7.5		Athens (NBI) – Greece
9610	31.22	2	VLW9	Perth – Australia
		10	VLX9	Perth – Australia
		25	ZYC8	R. Tamoio – Brazil
		7.5	CR8AB	Goa – Port. India
				Cape Town – S. Africa
		5	XERQ	Corpo Mexicana de Radio – Mex.
		10/100	LLG	R. Norway – Norway
		50	CHLS	Sackville – Canada
		1	ETA	Voice of Ethiopia – Ethiopia
9614	31.20	7.5		Dacca – Pakistan
9615	31.20	100	VLA9	Shepparton – Australia
		100	VLB9	Shepparton – Australia
		50	VLC9	Shepparton – Australia
		50	WRCA	Bound Brook – U.S.A.
		3	TIDCR	Diario de Costa Rica – Costa Rica
		35/100		Voice of America – Tangier
9617	31.20	0.35		Salzburg (BDN) – Austria
9620	31.19	20	CXA6	S. O. D. R. E. – Uruguay
		7.5	ZL8	Wellington – New Zealand
		100	VUD5/7	Delhi – India
		12		Voice of Vietnam – Vietnam
		100		R. Sweden – Sweden
*		100		Allouis – France
		100/10		R. Yugoslavia – Yugoslavia
9625	31.17	50	GWO	London – Gr. Britain
		0.5	VP4RD	R. Trinidad – Trinidad
		10	XEBT	Las Emisoras de America – Mexico
9630	31.15	5/20	VUD3/11	Delhi – India
		50	CKLO	Sackville – Canada
		100		Radio Roma – Italy
9632	31.15	1	CR6RN	R. Clube de Angola – Angola
9633	31.15	1.5	4VEH	La Voix Evangelique d'Haiti — Haiti
9635	31.14	7.5/100		Voice of America (Relay) – Germ.
9640	31.12	1	DZH2	Manila MBC – Philippine
		50	LRY	R. Belgrano – Argentina
		3	CXA8	R. Real de S. Carlos – Uruguay
		5	COX4	Ministerio de Educacion – Cuba
		50	GVZ	London – Gr. Britain
9645	31.10	1	TIFC	Faro del Caribe – Costa Rica
		10		Lahore – Pakistan
		50		Karachi – Pakistan
		7.5		Dacca – Pakistan
		0.3	HOJA	R. Provincias – Panama
		10/100	LLH	R. Norway – Norway
*9646	31.10	5/100	HVJ9	Vatican R. – Vatican
9650	31.09	200	KRCA	Dixon – U.S.A.
		50	WABC	Brentwood – U.S.A.
		100/1.2		Voice of America Honolulu–Hawaii
		3		Djeddah – Saudi Arabia
		100	VLB9	Shepparton – Australia
		35/100		Voice of America – Tangier
		7.5	ZJM8	Sharq-al-Adna – Cyprus
9655	31.07	5	JKI2	Nazaki – Japan
		50	OTC	Leopoldville – Belgian Congo
		0.25		Lagos – Nigeria
9657	31.06	1	FIA6	R. Douala – Cameroon
9660	31.06	10	VLQ9	Brisbane – Australia
		7.5/20	VUD8/10	Delhi – India
		5/100	HVJ10	Vatican R. – Vatican
		7.5	LRX	R. El Mundo – Argentina
		50	GWP	London – Gr. Britain
9662	30.95	3	TINRH	La Voz de Costa Rica – Costa R
9665	31.04	0.3		Vienna II (RAVAG) – Austria
		25/100	HEU3	Schwarzenburg – Switzerland
9667	31.04	1.5	4VEH	La Voix Evangelique d'Haiti — Haiti
*9668	31.03	5	TGNA	R. Cultura – Guatemala
9670	31.02	1	COCQ	Circuito CMQ – Cuba
		5/7.5	VUD3/9	Delhi – India
		50	KGEI	Belmont – U.S.A.
		50	WRCA	Bound Brook – U.S.A.
		50	KRCA	Dixon – U.S.A.
		100		R. Nacional – Portugal
		5	COCQ	Circuito CMQ – Cuba
		7.5/100		Voice of America (Relay) – Germ.
		1		R. Hanoi – Vietnam
9675	31.01	50	GWT	London – Gr. Britain
		7.5	PRC22	R. Gaucha – Brazil
		50	WRCA	Bound Brook – U.S.A.
		50	JOA3	Nazaki – Japan

kc/s	Metres	kW		Stations
9680	30.99	1	XEQQ	R. Panamericana – Mexico
		20	EQC	R. Tehran – Iran
		100	VLA9	Shepparton – Australia
		100	VLB9	Shepparton – Australia
		50	VLC9	Shepparton – Australia
		10	VLG9	Lyndhurst – Australia
		5	VLR9	Melbourne – Australia
		10	VLH9	Melbourne – Australia
		5/20	VUD3/11	Delhi – India
		1	HI2A	Voz de la Reeleccion–Dominicana
*		100		Allouis – France
9685	30.98	35/100		Voice of America – Tangier
		75	WLWO	Mason – U.S.A.
		10	TGWA	La Voz de Guatemala – Guatem.
9690	30.96	50	GRX	London – Gr. Britain
		100	LRA1	S.I.R.A. – Argentina
		0.25	DZH5	Voice of Catholic – Philippines
		15/100		BEFBS – Malaya
		15		Novosibirsk – U.S.S.R.
		100	LRA1	R. del Estado – Argentina
9692	30.95	3	TINRH	La Voz de Costa Rica – Costa R·
9693	30.95	0.2	FIQA	Tananarive – Madagascar
9695	30.94	5	JKM2	Kawachi – Japan
9700	30.93	0.4	FNRI	R. Martinique – Martinique
		50	KCBR	Delano – U.S.A.
*		200	WLWO	Bethany – U.S.A.
		50	WRCA	Bound Brook – U.S.A.
		1	CE970	R. Cooperativa Vitalicia – Chile
		50	GWY	London – Gr. Britain
		35/100		Voice of America – Tangier
		0.4	FNRI	Fort de France – Martinique
		100		Sofia – Bulgaria
		1	TGCQ	Station TGCQ – Guatemala
9710	30.90	100		Delhi – India
*		60		Radio Roma – Italy
		5		R. Dakar – Senegal
9714	30.88	1	TIOCHO	La Voz del Hogar – Costa Rica
		2	YNV	Radiodifusora Nacional – Nicarag.
9720	30.86	100	VUD7	Delhi – India
		50	PRL7	R. Nacional – Brazil
				Moscow I – U.S.S.R.
				Leningrad – U.S.S.R.
9727	30.84	7.5	HI2T	La Voz Dominicana – Rep. Dominicana
9730	30.83	2	DZH7	Manila FEBC – Philippine
*		12.5		Mitteldeutscher Rundfunk - Germ.
9735	30.82	1	ZPA4	R. Stentor – Paraguay
		7.5	HI2T	La Voz Dominicana – Dominicana
		0.35		NWDR – Germany (Br. Z.)
*9740	30.80	100		R. Nacional – Portugal
		5	COCQ	Circuito CMQ – Cuba
9745	30.78	100	ORU	Wavre – Belgium
		10	HCJB	The Voice of the Andes – Ecuador
		7.5	ZYR57	R. Cultura – Brazil
*9746	30.78	50		R. Nacional – Portugal
		6.5		R. Omdurman – Sudan
		50		Karachi – Pakistan
9750	30.77			Leningrad – U.S.S.R.
9755	30.76	100		Allouis – France
		1	CR6RJ	R. Clube de Huila – Angola
		50		Karachi – Pakistan
9757	30.75	25		R. France Asie – Vietnam
*9760	30.74	10	TGWA	Voz de Guatemala – Guatemala
9662	30.73	7.5	CR7BI	R. Club de Mocambique – Mocambique
9767	30.71	100	ORU	Wavre – Belgium
9770	30.70	1	PRL4	R. Ministerio da Educacao e Saude – Brazil
9780	30.67	60		Radio Roma – Italy
*9785	30.65	30		R. Monte Carlo – Monte Carlo
9800	30.61			Moscow I – U.S.S.R.
9804	30.00	10	CR7BE	R. Club de Mocambique – Moc.
9825	30.53	50	GRH	London – Gr. Britain
9833	30.51	1	COBL	R. Cadena Suaritos – Cuba
		100		Budapest – Hungary
9840	30.50	0.5	4VRW	R. Haiti – Haiti
9870	30.40			Johannesburg – S. Africa
9915	30.26	50	GRU	London – Gr. Britain
*9970	30.08	1.5		R. AEF. – Fr. Equat. Africa
9980	30.06	10		Radio Kabul – Afghanistan
10000	30.00	9	WWV	Washington – U.S.A.
10000	30.00	2	WWVH	Puunene – Hawaii
*10220	29.35	1.5	PSH	Agencia Nacional – Brazil
10260	29.24	10		Peking – China
11000	27.27			Chungking – China
*11090	27.05	1	CSA92	Ponta Delgada – Azores

kc/s	Metres	kW		Stations
11570	25.93	50		Karachi – Pakistan
11580	25.91	50		Karachi – Pakistan
11630	25.79			Leningrad – U.S.S.R.
11650	25.75	1	COCX	Talleres Tipograficos Nacionales – Cuba
		50		Karachi – Pakistan
11670	25.76	7.5	OTH	R. Congo Belge – Belgian Congo
11674	25.70	50		Karachi – Pakistan
11678	48.54	10		Ashkabad – U.S.S.R.
11680	25.68	3	HJCQ	R. Nacional – Columbia
		50	GRG	London – Gr. Britain
11685	25.67	5/100	HVJ11	Vatican R. – Vatican
*11690	25.66	10		Peking – China
		10		Magadan – U.S.S.R.
11700	25.64	100		Allouis – France
		50	GVW	London – Gr. Britain
		0.5	HP5A	Cadena Panama – Panama
11705	25.63	100		R. Sweden – Sweden
		50	CKXA	Sackville – Canada
		50	JOA4	Yamata – Japan
11710	25.62	100	VUD5/7	Delhi – India
		200	WLWO	Bethany – U.S.A.
		100	VLA11	Shepparton – Australia
		10	VLG11	Lyndhurst – Australia
		35/100		Voice of America – Tangier
		50		Karachi – Pakistan
11715	25.61	25/100	HEI5	Schwarzenburg – Switzerland
11718	25.61	7.5		Athens (NBI) – Greece
11720	25.60	5	OQ2AA	R. Congo Belge – Belgian Congo
		50	PRL8	R. Nacional – Brazil
		7.5	ZJM7	Sharq al Adna – Cyprus
		50	CHOL	Sackville – Canada
		5	OQ2AA	R. Leo – Belgian Congo
*11724	25.58	16		R. Baghdad – Iraq
11725	25.58	7.5		Dacca – Pakistan
11726	25.58	50		Karachi – Pakistan
11730	25.58	100	KGEI	Belmont – U.S.A.
		40		R. Nederland – Holland
		50	GVV	London – Gr. Britain
		5	CE1173	Soc. Nac. de Mineria – Chile
11735	25.56	5	CXA7	R. Oriental – Uruguay
		10/100	LKQ	R. Norway – Norway
		10/100		R. Yugoslavia – Yugoslavia
11736	25.56	50	BED6	Taipeh – Taiwan
11740	25.55	100	VLB11	Shepparton – Australia
*		1	COCY	R. Habana – Cuba
		1	CE1174	R. Nuevo Mundo – Chile
		5/100	HVJ12	Vatican R. – Vatican
		7.5/100		R. Warsaw III – Poland
		80	WRUL	Scituate – U.S.A.
11750	25.53	50	GSD	London – Gr. Britain
		1		Damascus – Syria
11760	25.51	100	VLA11	Shepparton – Australia
		100	VLB11	Shepparton – Australia
		50	VLC11	Shepparton – Australia
		10	VLG11	Lyndhurst – Australia
		35/100		Voice of America – Tangier
		20/100	VUD7/10	Delhi – India
		20	TAK	Ankara I – Turkey
		30	OLR4B	R. Prague – Czeckoslovakia
		50	CKRA	Sackville – Canada
		10	TGWA	La Voz de Guatemala – Guatem.
11765	25.50	25	ZYB8	R. Difusora Sao Paulo – Brazil
				Moscow I – U.S.S.R.
		7.5	CR7BF	R. Clube de Mozambique – Moz.
11770	25.49	100	VLA11	Shepparton – Australia
		100	VLB11	Shepparton – Australia
		7.5	YDE	Djakarta – Java
		100	YDF7	Djakarta – Java
		50	GVU	London – Gr. Britain
		50		Karachi – Pakistan
11775	25.48	50	WRCA	Bound Brook – U.S.A.
11780	25.47	7.5	ZL3	Wellington – New Zealand
		0.8	HP56	R. Panamericana – Panama
*		0.5	XENN	Salvador del Condo – Mexico
11785	25.45	100	YDF2	Djakarta – Java
		0.2		Vienna I (RAVAG) – Austria
11790	25.45	100/1.2		Voice of America – Hawaii
		50	GWV	London – Gr. Britain
		5/100	VUD3/7	Delhi – India
		200	KRCA	Dixon – U.S.A.
		50	WRUL	Scituate – U.S.A.
		35/100		Voice of America – Tangier
				Moscow I – U.S.S.R.
11795	25.43	100	YDF3	Djakarta – Java
		0.4/20		N. W. D. R. – Germany
11800	25.42	1	COBH	R. Cadena Habana – Cuba
*		1	CE1180	Soc. Nac. de Agricultura – Chile
		50	GWH	London – Gr. Britain
		10		Lahore – Pakistan
11800	25.42	50	JKI4	Tokyo – Japan
11805	25.41	0.3	HCFW2	R. Continental – Ecuador
		50	PRG9	R. Nacional – Brazil
11810	25.40	50	KCBR	Delano – U.S.A.
		100	VLA11	Shepparton – Australia
		7.5	HOXB	Ondas Chiricanas – Panama
		100	VLB11	Shepparton – Australia
		50	VLC11	Shepparton – Australia
		50		Karachi – Pakistan
		7.5	ZL9	Wellington – New Zealand
*		50		Radio Roma – Italy
11815	25.39	2	YNV	R. Difusora Nacional – Nicaragua
		50	JKI5	Tokyo – Japan
		7.5/100		R. Warsaw – Poland
		10		Cairo – Egypt
*11820	25.38	0.1	XEBR	R. Difusora de Sonora – Mexico
		50	GSN	London – Gr. Britain
		15/100		Singapore (BFEBS) – Malaya
11825	25.37	20	JKI6	Nazaki – Japan
		16	ZYK3	R. Jornal do Commercio – Brazil
11830	25.36	5/100	VUD3/7	Delhi – India
		50	WABC	Brentwood – U.S.A.
		50	WRCA	Bound Brook – U.S.A.
		35/100		Voice of America – Tangier
		25		R. France Asie – Vietnam
		2	VLW11	Perth – Australia
11835	25.35	5	CXA19	R. El Espectador – Uruguay
*11840	25.34	50	VLC11	Shepparton – Australia
		10	VLG11	Lyndhurst – Australia
*		50	OLR4A	R. Prague – Czechoslovakia
		10	GWQ	London – Gr. Britain
		10	LRT	R. Independencia – Argentina
		10		Lahore – Pakistan
11845	25.32	100		Allouis – France
		50		Karachi – Pakistan
11850	25.32	100	VLA11	Shepparton – Australia
		100	VLB11	Shepparton – Australia
		10	VLG11	Lyndhurst – Australia
		100/20	ORU	Wavre – Belgium
		10/100	VUD4/7	Delhi – India
		10/100	LLK	R. Norway – Norway
*		5	TGNA	R. Cultura – Guatemala
		1	CE1185	R. El Mercurio – Chile
		3		Djeddah – Saudi Arabia
		1.2	ZPA3	R. Teleco – Paraguay
11855	25.31	2	DZH9	Manila FEBC – Philippines
11860	25.30	50	KWID	San Francisco – U.S.A.
		50	GSE	London – Gr. Britain
11862	25.29	10		Voz de Angola – Angola
11865	25.28	25/100	HER5	Schwarzenburg – Switzerland
		10	PRA8	R. Clube de Pernambuco – Brazil
		7.5	PRC23	R. Ministerio da Educacao – Brazil
11870	25.27	100	KRCA	Dixon – U.S.A.
		100	KWID	San Francisco – U.S.A.
		100	WGEO	Schenectady – U.S.A.
		7.5/100	VUD8/7	Delhi – India
		50	VLC11	Shepparton – Australia
		35/100		Voice of America – Tangier
11875	25.26	30	OLR4C	R. Prague – Czechoslovakia
		7.5/100		Voice of America (Relay) – Germ.
11880	25.25	1	XEHH	Sal de Uvas Picot – Mexico
		100	VLA11	Shepparton – Australia
		100	VLB11	Shepparton – Australia
		10	VLG11	Lyndhurst – Australia
		10	VLH11	Melbourne – Australia
				Moscow I – U.S.S.R.
		100		R. Sweden – Sweden
		50	LRT	SIRA (Tucuman) – Argentina
		50	GRE	London – Gr. Britain
11885	25.24	50		Karachi – Pakistan
		7.5		Dacca – Pakistan
11890	25.23	100/1.2		Voice of America – Hawaii
		50	WRCA	Bound Brook – U.S.A.
		50	KRCA	Dixon – U.S.A.
		507.5/		Voice of America – Philippines
		100	VUD7	Delhi – India
		50	GWW	London – Gr. Britain
		7.5		Dacca – Pakistan

kc/s	Metres	kW		Stations
11895	25.22	7.5/50		Voice of America – Philippines
		12		R. Dakar – Senegal
		10/100		R. Yugoslavia – Yugoslavia
11900	25.21	5	CE1190	R. La Cooperative Vitalicia - Chile
		100	WGEO	Schenectady – U.S.A.
		60		Radio Roma – Italy
*		10	VLG11	Lyndhurst – Australia
				Moscow I – U.S.S.R.
		0.25	OQ2AB	R. Elisabeth – Belgian Congo
*		10	XEXE	Radio de Mexico – Mexico
		20	CXA10	S. O. D. R. E. – Uruguay
		50	CKEX	Sackville – Canada
11905	25.19			Moscow I – U.S.S.R.
11910	25.18	100		Budapest – Hungary
		2.5	HSK2	Bangkok – Thailand
11914	25.17	15/50	OBX4R	R. Nacional – Peru
		50		Karachi – Pakistan
*11915	25.17	20		Damascus – Syria
		10	HCJB	The Voice of Andes – Ecuador
11920	25.17	100		R. Nacional – Portugal
		20	BED4	Taipeh – Taiwan
11928	25.16	1	CR6RQ	R. Clube de Huambo – Angola
11930	25.15	50	GVX	London – Gr. Britain
11940	25.13	5/100	HVJ13	Vatican R. – Vatican
		10	DZI7	R. Free Asia– Philippines
		100		Delhi – India
		100		R. Nacional – Portugal
*11950	25.10	3		Djeddah – Saudi Arabia
		5	ZPA5	R. Encarnacion – Paraguay
		1	PRL5	R. Minist. da Educ. e Saude – Braz.
11955	25.09	15/100		BFEBS – Malaya
		50	GVY	London – Gr. Britain
*11964	25.09	100		R. Nacional – Portugal
11970	25.06	50		R. Brazzaville – Fr. Ecuat. Africa
*11972	25.06	3	TIHH	R. Popular – Costa Rica
*11975	25.05	7.5/100		Colombo – Ceylon
*11996	25.01	100		R. Nacional – Portugal
12032	24.94			Bucuresti – Rumania
12040	24.92	50	GRV	London – Gr. Britain
12095	24.80	50	GRF	London – Gr. Britain
12175	24.64	7	TFJ	Reykjavik – Iceland
12200	24.55			Moscow I – U.S.S.R.
12300	24.39	0.5	OZL	Angmagsalik – Greenland
12749	23.53	10		R. Nacional – Portugal
12865	23.32	0.5	CSB51	R. Club Portuguese – Portugal
13880	21.61	25		Sverdlovsk – U.S.S.R.
14500	20.73	3		Pan-American Radio – Tangier
14690	20.42	1.5	PSF	Agencia Nacional – Brazil
		100		Minsk – U.S.S.R.
15000	20	9	WWV	Washington – U. S. A.
		2	WWVH	Puunene – Hawaii
*15060	19.92	10		R. Peking – China
*15062	19.92	2.5		Voice of Ethiopia – Ethiopia
15070	19.91	50	GWC	London – Gr. Britain
15075	19.90	1.5	V3USE	Forest Side – Mauritius
15090	19.88	50	CKLX	Sackville – Canada
15095	19.87	5/100	HVJ14	Vatican R. – Vatican
15100	19.87	100		Allouis – France
		5	TGNA	R. Cultura – Guatemala
		100	KGEI	R .Nacional – Portugal
*		20	EPB	R. Tehran – Iran
15105	19.86	100	KGEI	Belmont – U.S.A.
		100	WLWO	Bethany – U.S.A.
		1	OAX4X	R. El Sol – Peru
15110	19.85	50	GWG	London – Gr. Britain
*15115	19.85	10	HCJB	The Voice of the Andes – Ecuador
		7.5	PRC24	R. Gaucha – Brazil
15120	19.84	100		Colombo – Ceylon
		25/100	HED7	Schwarzenburg – Switzerland
*		50		Radio Roma – Italy
		1		Athlone – Ireland
		5/100	HVJ15	Vatican R. – Vatican
		7.5/100		Warsaw – Poland
15125	19.83	100		R. Nacional – Portugal
*15130	19.83	200	WLWO	Bethany – U.S.A.
		50	WRCA	Bound Brook – U.S.A.
		50	KRCA	Dixon – U.S.A.
		100	KGEI	Belmont – U.S.A.
		20	VUD11	Delhi – India
		100/1.2		Voice of America Honolulu–Hawaii
		35/100		Voice of America – Tangier
15135	19.82	7.5	PRB23	R. Record – Brazil
		50	JOA6	Tokyo – Japan
15140	19.82	50	GSF	London – Gr. Britain
15145	19.81	16	ZYK2	R. Jornal do Commercio – Brazil
15150	19.80	50	OAX4R	R. Nacional – Peru

kc/s	Metres	kW		Stations
		1	CE1515	R. Corporacion – Chile
		100		R. Nacional – Portugal
		50	YDC	Djakarta – Java
15155	19.80	7.5	ZYB9	R. Difusora Sao Paulo – Brazil
		100		R. Sweden – Sweden
15160	19.79	5/100	VUD3/7	Delhi – India
		100	TAU	Ankara II – Turkey
		100	VLB15	Shepparton – Australia
		10	VLG15	Lyndhurst – Australia
15165	19.78	200	WLWO	Bethany – U.S.A.
				Moscow I – U.S.S.R.
		5	ZYN7	Ceara R. Clube – Brazil
		50	OZF7	The Voice of Denmark – Denmark
15170	19.78	10	TGWA	Voz de Guatemala – Guatemala
		5	OQ2AA	R. Leo – Belgian Congo
		20/100	VUD10/5	Delhi – India
		10/100	LKV	R. Norway – Norway
		10		Peking – China
15175	19.77	10	LLM	R. Norway – Norway
*15180	19.76	50	OZF8	The Voice of Denmark – Denmark
		50	GSO	London – Gr. Britain
15190	19.75	5	PRK9	R. Inconfidencia – Brazil
		50	CKCX	Sackville – Canada
		20/100	VUD11/5	Delhi – India
		100	OIX4	Pori – Finland
		200	WLWO	Bethany – U.S.A.
		35/100		Voice of America – Tangier
15195	19.74	20	TAQ	Ankara I – Turkey
15200	19.74	200	WLWO	Bethany – U.S.A.
		100	VLA15	Shepparton – Australia
		100	VLB15	Shepparton – Australia
		50	VLC15	Shepparton – Australia
		10	VLG15	Lyndhurst – Australia
*15205	19.73	10	XEXE	Radio de Mexico – Mexico
		50	GWU	London – Gr. Britain
15210	19.72	35/100		Voice of America – Tangier
		50	VLC15	Shepparton – Australia
		10	VLG15	Lyndhurst – Australia
		7.5/100		Voice of America – Germany
		50	KGEI	Belmont – U.S.A.
		50	WBOS	Hull – U.S.A.
		50	WRCA	Bound Brook – U.S.A.
		100		Delhi – India
15215	19.71	2	YNV	R. Difusora Nacional – Nicaragua
15220	19.71	100	VLA15	Shepparton – Australia
		50	VLC15	Shepparton – Australia
		7.5	ZL10	Wellington – New Zealand
		35		R. Nederland – Holland
15225	19.70	7.5	JBD3	Kawachi – Japan
15230	19.70	10	VLH15	Melbourne – Australia
		100	VLA15	Shepparton – Australia
		10	VLG15	Lyndhurst – Australia
		80	WRUL	Scituate – U.S.A.
				Johannesburg – S. Africa
		50	GWD	London – Gr. Britain
15235	19.69	50	JOA5	Nazaki – Japan
		20	BED3	Taipeh – Taiwan
*15240	19.68	100		Allouis – France
		10	VLG15	Lyndhurst – Australia
		35/100		Voice of America – Tangier
		100	KRCA	Dixon – U.S.A.
		200	WLWO	Bethany – U.S.A.
		10/100		R. Yugoslavia – Yugoslavia
15245	19.68	7.5/50		Voice of America – Philippines
15250	19.67	200	WLWO	Bethany – U.S.A.
		7.5/50		Voice of America – Philippines
		50		Voice of America – Tangier
		100/1.2		Voice of America – Hawaii
15255	19.67	50		Karachi – Pakistan
15260	19.66	50	GSI	London – Gr. Britain
15270	19.65	50	WABC	Brentwood – U.S.A.
		200	KCBR	Delano – U.S.A.
		25		Sverdlovsk – U.S.S.R.
		35/100		Voice of America – Tangier
		7.5/100		Voice of America (Relay) – Germ.
		50		Karachi – Pakistan
		7.5		Dacca – Pakistan
15275	19.64	0.35		N. W. D. R. – Germany (Br. Z.)
15280	19.63	35/100		Voice of America – Tangier
		7.5	ZL4	Wellington – New Zealand
		7.5/100		Voice of America (Relay) – Germ.
		50	WRUL	Scituate – U.S.A.
15283	19.63	10	CR7BG	Lourenco Marques – Mozamb.
15285	19.63	50	WRUL	Scituate – U.S.A.
15290	19.62	5/100	VUD3/5	Delhi – India
		50	LRA	S. I. R. A – Argentina

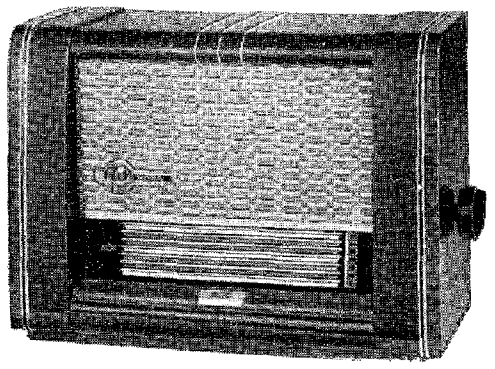
kc/s	Metres	kW		Stations
15295	19.61	35/100		Voice of America – Tangier
15300	19.61	15/100		BFEBS – Malaya
*		50	GWR	London – Gr. Britain
15300	19.60	2	DZH8	Manilla FEBC – Philippines
15305	19.60	25/100	HER6	Schwarzenburg – Switzerland
15310	19.60	80	WRUL	Scituate – U.S.A.
		50	GSP	London – Gr. Britain
15315	19.59	50	KCBR	Delano – U.S.A.
15320	19.58	50	CKCS	Sackville – Canada
		100/10	VLA,B,C/15	Shepparton – Astralia
		10	VLG15	Lyndhurst – Australia
*		100		Radio Roma – Italy
		30	OLR5B	R. Prague – Czechoslovakia
		50	OZF9	The Voice of Denmark – Denmark
15330	19.57	100	WGEO	Schenectady – U.S.A.
		200	WLWO	Bethany – U.S.A.
		200	KCBR	Delano – U.S.A.
		100/1.2		Voice of America – Hawaii
		100		Sofia – Bulgaria
15335	19.56	50		Karachi – Pakistan
		7.5		Dacca – Pakistan
		100	ORU	Wavre – Belgium
15340	19.56	200	KCBR	Delano – U.S.A.
		35/100		Voice of America – Tangier
15345	19.55	7.5		Athens (NBI) – Greece
		100	LRA	SIRA – Argentina
15346	19.55	12	FHE2	R. Dakar – Senegal
15350	19.54	50	WRUL	Scituate – U.S.A.
		50	WLWO	Mason – U.S.A.
		7.5/20	VUD8/11	Delhi – India
		100		Allouis – France
		5		R. Luxembourg – Luxembourg
*15370	19.52	25	ZYC9	R. Tupi – Brazil
*15380	19.51	50		R. Nacional – Portugal
		100		Delhi – India
15385	19.50	5/100	HVJ16	Vatican R. – Vatican
15390	19.49			Moscow I – U.S.S.R.
15400	19.48	100		Allouis – France
		60		Radio Roma – Italy
15403	19.48	0.5	OZL	Angmagssalik – Greenland
*15405	19.48	5	PZC	AVROS Paramaribo – Surinam
15420	19.46	25		R. France-Asie – Vietnam
15435	19.44	50	GWE	London – Gr. Britain
		15/100		Singapore (BFEBS) – Malaya
15440	19.43	35/100		Voice of America – Tangier
15450	19.42	50	GRD	London – Gr. Britain
15500	19.35	100		Budapest – Hungary
15595	19.23	4.5		R. Chad – Fr. Equat. Africa
*		50		R. Brazzaville – Fr. Equat. Africa
15620	19.21	50		Karachi – Pakistan
15625	19.20	40		R. Nacional de Espana – Spain
15915	18.85	2.5	HSK6	Bangkok – Thailand
17445	17.20	5/100	HVJ17	Vatican R. – Vatican
17677	16.97	1	CR5SB	Sao Tomé – Sao Tomé
17700	16.95	50	GVP	London – Gr. Britain
17705	16.94	20		Delhi – India
17710	16.94	50		Karachi – Pakistan
17715	16.93	50	GRA	London – Gr. Britain
17720	16.93	20	TAD	Ankara I – Turkey
		100	LRA	S. I. R. A. – Argentina
17730	16.92	50	GVQ	London – Gr. Britain
17735	16.91	5/100	HVJ18	Vatican R. – Vatican
17740	16.91	100		R. Nacional – Portugal
*		20	VUD11	Delhi – India
17750	16.90	50	WRUL	Scituate – U.S.A.
		50		Karachi – Pakistan
17755	16.90	10/100	LKW	R. Norway – Norway
		15/100		BFEBS – Malaya
17760	16.89	5/100	VUD3/5	Delhi – India
		100	KWID	San Francisco – U.S.A.
		25	WGEO	Schenectady – U.S.A.
		100	KGEI	Belmont – U.S.A.
17770	16.88	100		Radio Roma – Italy
		50	KCBR	Delano – U.S.A.
		35/100		Voice of America – Tangier
		50		Karachi – Pakistan
		7.5	ZL5	Wellington – New Zealand
17775	16.88	40		R. Nederland – Holland
17780	16.87	7.5/50		Voice of America – Philippines
		100/1.2		Voice of America Honolulu-Hawaii
		50	WRCA	Bound Brook – U.S.A.
		20	VUD10/11	Delhi – India
17784	16.87	25/100	HER7	Schwarzenburg – Switzerland
17790	16.86	50	GSG	London – Gr. Britain
17795	16.85	200	WLWO	Bethany – U.S.A.
*17800	16.85	200	WLWO	Bethany – U.S.A.
		200	KRCA	Dixon – U.S.A.

kc/s	Metres	kW		Stations
		100		R. Sweden – Sweden
		100/50	VLA,B,C/17	Shepparton – Australia
		15	OIX5	Pori – Finland
		10	TGWA	La Voz de Guatemala – Guatem.
		100/1.2		Voice of America Honolulu–Hawaii
*		60		Radio Roma – Italy
		10/100		R. Yugoslavia – Yugoslavia
17810	16.84	100	YDF4	Djakarta – Java
		50	GSV	London – Gr. Britain
17815	1684	0.35		NWDR – Germany (Br. Z.)
17820	16.84	50	CKNC	Sackville – Canada
		100	TAV	Ankara II – Turkey
		7.5	ZL14	Wellington – New Zealand
		100		Colombo –Ceylon
		1	COBZ	Radio Salas – Cuba
17825	16.83	10/100	LLN	R. Norway – Norway
*17830	16.83	30	ORL6A	R. Prague – Czechoslovakia
		200	KRCA	Dixon – U.S.A.
		50	WABC	Brentwood – U.S.A.
		100		Delhi – India
17835	16.82	50/7.5		Karachi/Dacca – Pakistan
17840	16.82	5/100	HVJ19	Vatican R. – Vatican
		100	VLA17	Shepparton – Australia
		50	VLC17	Shepparton – Australia
		20/100	VUD5/10	Delhi – India
		1.5		R. AEF – Fr. Equat. Africa
17845	16.82	0.35		NWDR – Germany
17850	16.81	100		Allouis – France
		1	COBC	Radio Progreso S. A. – Cuba
		50	PRL9	R. Nacional – Brazil
		200	KCBR	Delano – U.S.A.
17860	16.80	100		R. Nacional – Portugal
		100	ORU	Wavre – Belgium
17865	16.80	20		Damascus – Syria
17870	16.79	35/100		Voice of America – Tangier
		7.5/100		Voice of Amerika (Relay) – Germ.
*17890	16.77	10	HCJB	The Voice of the Andes – Eucador
18025	16.64	50	GRQ	London – Gr. Britain
18080	16.59	50	GVO	London – Gr. Britain
18130	16.55	50	GRP	London – Gr. Britain
21460	13.98	50	KRCA	Dixon – U.S.A.
21470	13.97	50	GSH	London – Gr. Britain
21480	13.96	10		R. Nederland – Holland
		7.5		Wellington – New Zealand
21490	13.96	100		R. Nacional – Portugal
21500	13.95	50	WABC	Wayne – U.S.A.
		50	WRCA	Bound Brook – U.S.A.
21510	13.95	100/20	VUD5/11	Delhi – India
		100	ORU	Wavre – Belgium
21515	13.94	5/100	HVJ20	Vatican R. – Vatican
21520	13.94	200	WLWO	Bethany – U.S.A.
		25/100	HER8	Schwarzenburg – Switzerland
21530	13.93	50	GSJ	London – Gr. Britain
21540	13.93	100	VLB21	Shepparton – Australia
21550	13.92	50	GST	London – Gr. Britain
21560	13.91	100		Radio Roma – Italy
21570	13.91	50	WABC	Brentwood – U.S.A.
		50		Karachi – Pakistan
		50		Voice of America – Philippines
21580	13.90	50		Karachi – Pakistan
		7.5	ZL16	Wellington – New Zealand
21590	13.90	50	WGEO	Schenectady – U.S.A.
		50		Karachi – Pakistan
21600	13.89	100	VLA21	Shepparton – Australia
		100	VLB21	Shepparton – Australia
		50	CKRP	Sackville – Canada
21610	13.88	50	WRCA	Bound Brook – U.S.A.
21620	13.87	1	COCY	R. Habana Cuba – Cuba
21630	13.87	50		Karachi – Pakistan
21640	13.86	100		Allouis – France
		50	GRZ	London – Gr. Britain
21650	13.86	200	WLWO	Bethany – U.S.A.
21660	13.85	20	VUD10	Delhi – India
		100		R. Nacional – Portugal
21670	13.85	5	LLP	R. Norway – Norway
21675	13.84	50	GVR	London – Gr. Britain
21680	13.84	50	VLC21	Shepparton – Australia
		10/100		R. Yugoslavia – Yugoslavia
21690	13.83	35/100		Voice of America – Tangier
		50		Karachi – Pakistan
21700	13.82	20	VUD10	Delhi – India
21710	13.82	50	CHLA	Sackville – Canada
		50	GVS	London – Gr. Britain
21730	13.81	50	WRCA	Bound Brook – U.S.A.
		5	LLQ	R. Norway – Norway
21740	13.80	5 /100	HVJ21	Vatican R. – Vatican
		50	KGEI/KCBR	San Francisco/Delano – U.S.A.

FM-STATIONS OF THE WORLD

EUROPE

Location	Frequency mc/s	Power kW		mc/s	kW
DENMARK					
Copenhagen I	90.7	5	Relay: First Programme.		
Copenhagen II	95.6	5	Relay: Second Programme.		
GERMANY German Federal Govt.					
Bayerischer Rundfunk					
Bad Reichenhall	90.9	0.25	Passau	88.5	0.25
Bamberg	89.7	1	Traunstein	88.7	0.25
Berchtesgaden	89.7	0.25	Kreuzeck	88.1	0.25
Brotjacklriegel	90.1	10	Wendelstein	88.9	5
Coburg	90.9	1	Würzburg	90.1	1
Hohenpeissenberg	90.5	3	Gebelsee	90.9	1.5
Kreuzburg/Rhön	87.7	10	Grünten	89.7	10
München	91.7	0.25	Hühnerberg	87.7	3
Nürnberg	88.9	0.25	Rotbühl	90.5	5
Ochsenkopf	88.5	10			
Hessischer Rundfunk. Relay 1st Programme.					
Feldberg II	89.3	10	Würzburg	88.1	0.25
Feldberg II	93.3	10	Hardberg	90.5	0.25
Meissner	88.1	10			
Nordwestdeutscher Rundfunk *Relay: Medium-Wave-Programme.*					
Hamburg Funkhaus II			Köln II	88.5	1
	93.3	0.25	Berlin II	88.4	0.1
Hannover II	91.7	0.5			
Relay: 2nd Programme Nord.					
Flensburg	92.5	3	Göttingen	89.7	1
Kiel	90.9	1	Moorfleth I	88.9	3
Berlin Witzleben I	90.5	3	Hamburg I	88.5	10
Lingen	90.5	3	Osnabrück	88.1	1.5
Braunschweig-	90.5	1.5	Hannover I	87.7	10
Bungsberg/Ostholz	90.1	0.25	Hamburg		
Oldenburg/Etzhorn	89.7	10	Mittelweg III	97.3	0.08
Relay: 2nd Programme West.					
Langenberg	93.7	10	Münster	92.1	3
Bielsteier/ Teuto-			Bonn	91.7	0.25
burger Wald	92.9	3	Siegen	88.9	1.5
Köln I	92.5	3	Aachen	88.9	1
Radio Bremen	Bremen	91.3 mc/s	3 kW		
Süddeutscher Rundfunk *Relay: 1st Programme.*					
Stuttgart-Degerloch	92.1	3			
Relay: 2nd Programme.					
Heidelberg-			Geislingen-		
Königstuhl	91.3	5	Oberöhringen	89.3	0.25
Stuttgart-Funkhaus	90.9	0.25	Bad Mergentheim	88.9	0.25
Aalen-Brauneberg	90.1	3	Ulm-Wilhelmsburg	88.5	0.25
Mühlacker	89.7	1	Stuttgart-Degerloch I	88.1	10
Südwestfunk					
Hornisgrinde	92.5	10	Waldburg	90.9	3
Haardtkopf/Mosel	92.1	3	Koblenz/Kühlkopf	90.9	1
Potzberg/Pfalz	90.1	3	Wolfsheim	88.5	10
Blauen/Schwarzwald	89.7	3	Witthoh/Hegau	88.5	1
Raichberg	88.9	3	Baden-Baden/Merkur	87.7	0.25
Rias					
Berlin	93.7	3			
Radio Saarbrücken					
Saarbrücken	98.9	0.25			
German Democratic Republic					
Berlin I	94.5		Berlin II	92.5	
American Forces Network					
Frankfurt	94.9	10	Höechst	91.7	0.25
Heidelberg	93.7	0.25			
ITALY *Relay: 2nd Programme*					
Monte Penice MF2	89.9	3	Torino MF2	95.9	3
Milano	93.7	3			
Relay 3rd Programme					
Bologna MF	90.9	0.05	Napoli MF	94.5	1
Monte Penice MF	91.7	3	Venezia MF	94.9	0.05
Genova MF	91.9	3	Roma MF	98.9	3
Trieste	92.9	0.05	Torino MF	98.9	3
Firenze MF	93.9	3	Milano MF	99.9	3
NETHERLANDS Experimental					
Hulsbergen	94.7	0.7	Scheveningen	93.5	3
Goes	93.9	1			
TRIESTE *Relay: RAI 3rd Programme*					
Trieste	92.9	0.05			
NEAR EAST Israel					
Jerusalem 4x B32	49.3	0.25	Tel-Aviv 4x B38	91.3	0.25
Jerusalem 4x B37	98.3	0.25	Tel-Aviv 4x B40	95.3	0.25



NORAVOX "BANDSPREAD" W 676

wave bands:

1: 10,9 – 12,25 m
2: 13,65 – 18,75 m
3: 18,2 – 27,75 m
4: 27,3 – 60,60 m
5: 59,4 – 130,50 m
6: 127,5 – 280,50 m
7: 268,0 – 588,0 m

6 tubes, 6 circuits, for AC 110/125/150/220 or 240 volts
7 spreaded wave ranges allow unsurpassed reception of all stations between 10,9 and 588 m

NORA-RADIO, WEST-BERLIN, GERMANY

	mc/s	kW		mc/s	kW
EAST Pakistan					
Karachi	88.3	0.25	Karachi	92	0.25
Karachi	89.3	0.25	Karachi	102	0.25
Karachi	90.3	0.25			
N. AMERICA					
Canadian Broadcasting Corporation					
Montreal, Que.	95.1	10.94	CBF-FM		
Toronto, Ont.	99.1	5.58	CBL-FM		
Montreal, Que.	100.7	4.51	CBM-FM		
Ottawa, Ont.	103.3	0.38	CBO-FM		
Vancouver, B.C.	105.7	1.4	CBR-FM		
Private Stations					
Toronto, Ont.	91.1	9.9	CJRT-FM		
London, Ont.	95.9	4.44	CFPL-FM		
Verdun, Que.	96.9	10.2	CKVL-FM		
Hamilton, Ont.	102.9	9.2	CJSH-FM		
Montreal, Que.	106.5	7.7	CFCF-FM		
There are 22 private low power FM-stations.					
PACIFIC Australia between 21.00–8.30					
Melbourne, Victoria	91.1	2	Adelaide, S. Austr.	97.3	0.25
Sydney, N.S.W.	92.1	2			
CENTRAL AMERICA Cuba					
Santiago de Cuba	99.3	1	Radio Oriente S.A. under construction.		
Habana	101.5	0.25	Jorge Garcia Serre.		
Habana	102.3	3	Domingo Fernandez Cruz.		
Habana CM-21-L	102.7	1	Radio Cadena Suaritos, S.A. Experimental.		
P. Boniato, S. Cuba	163.0	0.25	Cadena Oriental de Radio.		
Santa Clara, LV	169.8	0.25	–		
P. Boniato, Orte	170.0	0.25	–		
26 low power stations belonging to Cadena Oriental de Radio. 6 frequencies reserved for Cirquito CMQ, S.A.					
Mexico					
México, D.F.					
XEX-FM	101.7	0.25	Radio de México, S.A. de C.C. Cordova numero 48.		
SOUTH AMERICA Venezuela					
La Voz de El Tigre	96				
Ondas de los Medanos	90.1				

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COOPERATING CLUBS and RADIO JOURNALS
Belgian Short Wave Club, Rue Franklin 147, Brussels, Belgium. – International Short Wave Club, (Arthur Bear), 100 Adams Gardens Estate, London. – International Short Wave League, 123 Sturla Rd., Chatham, Kent. – Radio World Digest, Eurap Publishing Co., Ltd., 137 Blackstock Road, London N 4. – Short Wave News, Radio Amateur 57 Maida Vale, Paddington, London. – The Short Wave Listeners, 55, Victoria Street, London SW 1. – R.Nacional, Programa Official, Lisbon, Portugal. – Malmö DX-aren, Box 71026, Malmö, Sweden. – Göteborgs DX-Klubb, c/o Bertil Thörner, Öckerögatan 3A, Gothenburg, Sweden. – Malmö Short Wave Club, Malmö, Sweden. – Scandinavian DX-Club, Postbox 20038, Stockholm, Sweden. – Sveriges Radioklubb, Box 5083, Stockholm 5, Sweden. – Teknikens Världs Radio klubb, Sveavägen 53, Stockholm, Sweden. – Radio Times of India, Bombay, India. – Japanese Short Wave Club, P.O.Box 29, Sendai, Japan. – Radio Craft, Kagaku-sha Publishing Co., Tokyo, Japan. – New Zealand Radio DX-League, 212 Earn Street, Invercargill, New Zealand. – Empire City Short-Wave Listeners Club, 715 Ditmas Avenue, Brooklyn 18, New York. – Grand National Radio Society, U.S.A. – National Radio Club, Buffalo, New York, U.S.A. – Newark News Radio Club, 215 Market Street Newark 1, N. J., U.S.A. – United 49'ers Radio Society, 28 Eisenhower Drive, New Britain, Connecticut, U.S.A. – Universal Radio DX-Club, 211446 Birch St., Hayward, Cal., U.S.A. – Antenna, Rio de Janeiro, Brazil.

LATEST NEWS AND CORRECTIONS:
Italy: *Second Programme Home Service:* From 4th January: W: 18.30–22.30. Sun. 15.00–17.35, 18.30–22.30.
Radio Andorra: M. W.: 822 kc/s 364 m 60 kW. – Director General M. Deleris Roger. – French Programmes: 11.00–13.00, 17.30–21.00. Spanish Programmes: 13.00–14.00, 21.00–24.00.
Belgium: 5970 kc/s changed to 6065 kc/s. Period I: 10.00–12.00 21510, 17760 kc/s; 12.00–12.15 21510 kc/s; 12.15–13.00 21510, 15335 kc/s; 23.30–01.00 9745, 6065 kc/s.
Greek: National Broadcasting Institute: Home Service: 412 m. – W: 05.00–08.25, 09.30–13.30, 14.25–22.00. Sun.: 05.00–22.00. News: 05.10, 11.00, 12.45, 18.15, 20.15, 21.50. – 287 m: W: 05.00–08.00, 10.00–13.00, 15.30–21.30. Sun.: 04.30–08.00, 10.00–13.00, 16.00–22.00. – Foreign Service: English: 01.00, 19.30 on 9607 kc/s. French: 19.45 on 9607 kc/s. Russian: 14.15 on 11718 kc/s. All hours of transmission one hour later.
Rumania: The hours of transmmission for Timisoara 755 m is W. 03.17–05.15, 11.00–20.00. Sun. 08.00–20.00. Delete Timisoara I 557 m etc.

Radio Free Europe.
Czech & Slovak: W: 04.00–24.00. Sun. 07.00–24.00 in 417.2, 49, 31 m. b.
Hungarian: W: 05.00–14.10, 16.00–23.20, Sun. 07.00–23.20 in 49, 31 m. b.
W: 07.00–14.10, Sun. 07.00–16.00 in 25 m. b.
W: 16.00–23.00, Sun. 16.00–23.00 in 41 m. b.
Polish: W: 05.00–08.10, 11.00–14.10, 18.00–00.10, Sun. 07.00–23.10 in 49, 31, 25 m. b.
Bulgarian: D: 16.00–16.45, 18.20–19.15, 20.45–21.45 in 49 m. b.
Rumanian: D: 16.45–17.45, 19.50–20.45, 21.45–22.45 in 49 m. b.
Albanian: D: 17.50–18.15, 19.20–19.45, 22.50–23.15 in 31 m. b.

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News hourly 04.00–23.00. *Dictation speed news* 23.40.
Int'l Commentary: W. 07.05, 09.05, 10.10, 17.05, 20.05. Sun. 21.40, 23.30. – *Local Commentary:* W. 05.50, 14.05, 18.30, 21.35. Sun. 10.30, 18.30, 22.45. – *Messages:* W. 05.35, 06.30, 11.15, 18.40. Sun. 10.40, 18.40. – *Other Side of Coin:* W. 05.15, 22,15. Sun. 22.15. – *Women's Program:* W. 06.45, 12.45, 17.45. Sun. 13.45. – *Youth Program:* W. 06.15, 13.15, 15.45, 17.30. Sun. 07.15. – *Farmers Program:* W. 04.35, 11.30, 19.35. Sun. 11.30, 16.30. – *Labor Program:* W. 04.45, 13.05, 19.45. Sun. 11.45, 16.45. – *Calling the C.P.:* W. 11.40, 20.45. Sun. 14.45, 18.15. – *Our N.Y. Correspondent:* W. 19.05, 23.30. – *Politica Commentary:* W. 09.45, 12.30, 15.05, 22.45. – *Europe W/O Iron Curtain:* Mon., Tues., Wed., Fri. 12.15, 18.15.

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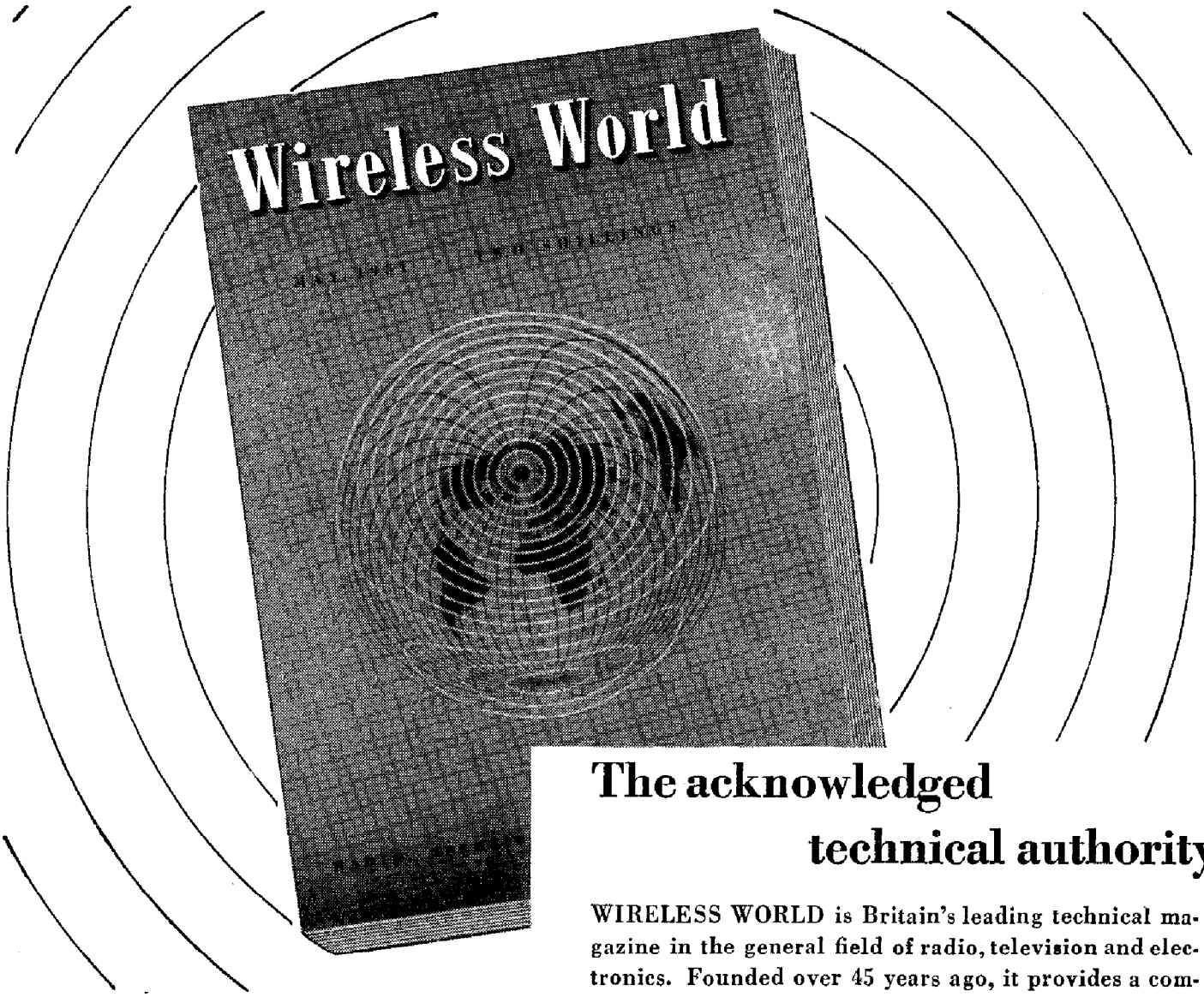

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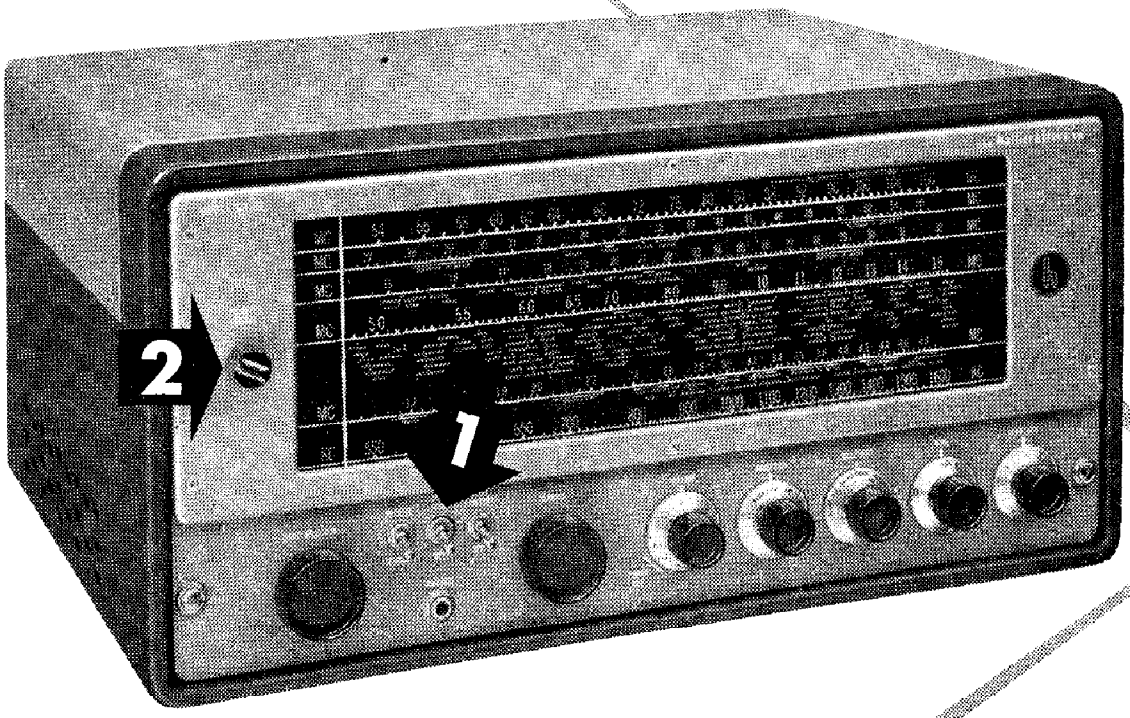

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